Sushrit Pasupuleti

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Senior Manager @ClaimShark (now known as Lyric) | Entrepreneur | TedX Speaker | Blogger

A technical and business-focused solo entrepreneur with 7+ years of experience building, managing, and scaling products. Quick to learn, adapt, and innovate to ensure product success.

Key Achievements:

- Shipped 4+ enterprise-grade apps and websites with limited resources.
- Built and scaled skillShack();, a global hub for programmers, reaching users in 130+ countries.
- Part of the Microsoft for Startups Programme.
- Frequent speaker at webinars and seminars, including a TedX talk at age 17.

Skills and Experience:

- Product development, software engineering, DevOps, machine learning, data analysis, big data, system design.
- User research, onboarding, feedback incorporation, agile development, digital publishing, writing, video production.
- Graphic design, sales, marketing, webinars, motivational speaking.

I regularly participate in webinars to educate and motivate peers about starting their software journeys and entrepreneurship, while continuously upskilling in software development and product management.

Currently building my startup skillShack();, which is a community for software professionals looking to share the projects they are working on and get feedback. From side projects to startups!

Technical Skills

Frontend	:	ReactJS, NextJs, React Native, React Native Web, React Native Expo, Flutter, GatsbyJS, AngularJS, materialize-css, Bootstrap, tailwindcss, jinja2, HTMX, AlpineJS, HTML, CSS, SASS, JavaScript, TypeScript, Dart
Backend	:	Axum, ExpressJS, FastAPI, Chi, ASP.NET Core, Django, Flask, Fiber, Gin, Sanic, NodeJS, Rust, JavaScript, TypeScript, Dart, Go
Databases	:	PostgreSQL, MySQL, SQLite, MongoDB, Redis, Neo4J, Firebase (Firestore), Sequelize, Mongoose, Prisma, Entity Framework, SQLAlchemy, sqlx, Drizzle ORM, DjangoORM, Gorm, Kysley
ML/AI/Data-Science	:	Pytorch, Langchain, Keras, Apache Spark, Apache Airflow, TensorFlow, TensorFlowJS, TFLearn, scikit-learn, Pandas, Numpy, Matplotlib, d3js, dbt, Apache Airflow
DevOps	:	AWS (EC2, RDS, S3, ELB, Amplify, Fargate, Lambda, SQS, ECS), Azure App (Service, Functions, Docker Functions, Database), Terraform, AWS CDK, Docker, Kubernetes, Netlify, Vercel, GitHub Actions, Self Hosting via Proxmox (LXCs and Docker)
Testing	:	Jest, supertest, cypress, playwright, XUnit
Project-Management	:	Jira, Confluence, Asana, Slack w/ Webhooks, GSuite, Office 365, GitHub Actions

Misc : WebSockets, WebRTC, gRPC, ActivityPub, Socket.IO, SignalR, material-ui, react-native-paper, React NativeBase, RNUILib, React-Redux, Redux-Form, Formik, React Hook Form, Redux Toolkit, React-Query, React-Router, PassportJS, OAuth, Adaptive Cards, GraphQL, Hasura, Apollo, Mongoose, Chart.js, ApexCharts.js, Sequelize, Gorm, turborepo, nx, react-admin, Google Analytics, Webhooks, OpenAI API, Puppeteer, Arduino

Tools : NixOS, Neovim, tmux, lazygit, ranger, proxmox, pgAdmin, Postman, fish, kitty

Experience

Solo Founder & Product Jun 2014 – Apr 2024
Braggi Solutions

- Product Management with Agile Principles
- Lead a cross-functional team remotely and in-office.
- Design, Maintain, Manage and Own the Product Backlog, Roadmap, Release Planning).
- Define Product Deliverables and Milestones, User Stories and requirements.
- Collaborate with Clients and Business Stakeholders to identify solutions, business needs and trends.
- Define and share the Release/Iteration vision and goals for Engineering teams and stakeholders.
- Represent the customer to the team and answer questions/provide guidance and mentorship.
- Foster professional relationships with stakeholders and opened dialogues for further collaborations and ventures as well as renewal of projects.
- Fullstack Development
- Developed and implemented complex multi-platform/cross-platform solutions for various clients and self.
- Proposed technical feasibility of solutions for new functional designs.
- Ensured network, system, data integrity and reliability throughout, and across maintenance and upgrades.
- Provided continuous maintenance and bug fixes.
- Business Development
- Software Engineering
- Applied Machine Learning and Data Science principles as part of various requirements as well as for overall product management (QA, surveys and feedback analysis/trends).
- Chatbot Design and Development
- UI/UX + Graphic Design
- Graphic Design
- Marketing and Outreach (Produced YouTube Videos and Blogs detailed below)

Technical Solutions Manager May 2025 – Present
iSpace (ClaimShark) *Telangana, India*

- Architected and developed scalable systems using Go, Rust, and Python.
- Oversaw full-stack development and system architecture for mission-critical applications.
- Collaborated with cross-functional teams to deliver robust solutions.
- Skills: Artificial Intelligence, Machine Learning, Go, Rust, Python, System Architecture, Technical Solution Design, Full-Stack Development

Senior Principal Architect - Technical Apr 2024 – May 2025
iSpace (ClaimShark) *Hyderabad, Telangana, India (Hybrid)*

- Designed and implemented AI/ML pipelines and full-stack solutions using Go, Rust, Python, Node.js.
- Worked in a hybrid environment, collaborating with teams in Hyderabad.
- Skills: Artificial Intelligence, Machine Learning, Full-Stack Development, Go, Rust, Python, Node.js, System Architecture

Education

Sreyas Institute of Engineering and Technology — Hyderabad, Telangana, India
Bachelor of Computer Science — *2017 – 2021*

DAV Public School — Hyderabad, Telangana, India
XII Grade — *2015 – 2017*

Bolton — Hyderabad, Telangana, India
X Grade — *2015*

Projects

skillShack(); — Feb 2021 – Apr 2024
Solo Founder & Product

skillShack(); is a community for software professionals looking to share the projects they are working on and get feedback. From side projects to startups! It is also a part of Microsoft for Startups

- Stack: **ReactJS, React-Redux, Redux, TensorFlow, AWS, Azure, ExpressJS, NodeJS, GitHub, GitHub Actions, PostgreSQL, NextJS, Docker**
- Scaled to users from over 130+ countries.
- Handled user studies and user research.
- Utilised Google Analytics to track user behaviour, and prioritise features and bug fixes.
- Product Management
- NextJS based SEO Optimized Website (included support for Open Graph Protocol and JSON+LD).
- GitHub Integration for users to showcase their Open Source Projects along with Code.
- Monaco Editor Integration (Same Editor serves as the base for Visual Studio Code).
- Puppeteer Based Screenshot Pipeline for Generating Certificates and Open Graph Images.
- React-Redux Integration for State Management.
- AWS Deployment Using: (EC2, RDS, S3, ELB)
- Azure Deployment Using: (App Service, Functions, Docker Functions, Database)
- Fully managed GitHub Actions for Seamless CI/CD along with Staging Environments.
- Dynamic code base to deploy to either AWS or Azure depending on Environment Configuration provided.

Braggi Election Management System (2.0) — Aug 2022 – Apr 2024
Solo Founder & Product

Braggi Election Management System is built for those contesting in elections. It aims to help leaders better manage their party workers to ensure faster reach and acquisition of voters. Also since it's me, under the hood there's some fancy AI magic happening too! After undergoing a major rewrite and taking the learnings from the success of the previous iteration, this is now capable of handling Country-wide voter data as well as multiple national parties from a single platform.

- Stack: **ReactJS, NextJS, React-Redux, Redux, ExpressJS, Expo, NodeJS, GitHub, GitHub Actions, PostgreSQL, Sequelize, Docker, TypeScript, AWS Lambda, AWS SQS, AWS S3, AWS RDS, AWS EC2, Terraform, Turborepo, Jira, Confluence**

- Lead Developer
- Handled user studies and user research.
- Build new features and made bug fixes based on user feedback.
- Product Management using Jira and Confluence
- Currently handling a database with 300K+ rows
- Fault tolerant and scalable architecture with Failover and Load Balancing
- Multi-tenant architecture with Data Isolation
- PERN (Postgres Express React NodeJS) Stack + React Native via Expo
- AWS (EC2, SQS, Lambda, RDS), GitHub Actions for CI/CD
- Full TypeScript Monorepo (via Turborepo) with 90% code sharing between web and mobile platforms
- Infrastructure as Code using Terraform

Stealth Project Aug 2023 – Apr 2024

Solo Founder & Product

A stealth project that I am currently working on in parallel with my other projects, It is in the Health & Fitness domain. This is a project that I am very excited about.

- Stack: **Go, Go-chi, PostgreSQL, Redis, Docker, Kubernetes, Python, Pytorch, Terraform, AWS Lambda, AWS SQS, AWS S3, AWS RDS, AWS EC2, GitHub, GitHub Actions**
- Lead Developer
- Handling user studies and user research.
- Building new features and made bug fixes based on user feedback.
- Product Management
- Currently in stealth mode
- Go Backend built on Go-chi, PostgreSQL, Redis, and Docker and Kubernetes for deployment
- Infrastructure as Code using Terraform
- AWS (EC2, SQS, Lambda, RDS), GitHub Actions for CI/CD
- Pytorch based Machine Learning Pipeline

Full Rust ActivityPub Server Implementation Apr 2023 – Apr 2024

Solo Founder & Product

A full ActivityPub Server Implementation built in Rust, without any external dependencies. the ActivityPub protocol is a W3C standard, this allows for interoperability with other ActivityPub implementations such as Mastodon, Pleroma, Pixelfed, etc. This repo could be used to bootstrap a basic ActivityPub platform that could sync with the previously mention services as well.

- Stack: **Rust, SQLx, Axum, PostgreSQL, ActivityPub, GitHub, GitHub Actions**
- Lead Developer
- Rust Backend built on Axum, PostgreSQL database, with SQLx as the Query Builder
- Aims to be 100% compatible with the ActivityPub implementation used by Mastodon and W3C standards
- Currently in development
- Open Source

Expiry Date Tracker Feb 2024 – Feb 2024

Solo Developer

A simple Expiry Date tracker built on React Native, without too many external dependencies. This was built to help my mom keep track of the expiry dates of the products at home. It is clean and simple to use, and has a very minimalistic design.

- Stack: **React Native, React, Expo, SQLite, Redux**
- Currently awaiting approval on Google Play Store
- Plans to add more features in the future
- Plans to Open Source the project
- Built in less than a week

Braggi Election Management System - MeeVote Mar 2017 – Aug 2022

Solo Founder & Product

This was the first project that I built, which was out of my domain, the platform "MeeVote", is an Election Management System, built for those contesting in elections. MeeVote aims to help leaders better manage their party workers to ensure faster reach and acquisition of voters. Also since it's me, under the hood there's some fancy AI magic happening too! This is currently under going a major rewrite for Country-wide deployment and support for multiple national parties.

- Stack: **ReactJS, NextJS, React-Redux, Redux, AWS, ExpressJS, NodeJS, GitHub, GitHub Actions, MongoDB, PostgreSQL, Docker**
- Lead Developer
- Handled user studies and user research.
- Build new features and made bug fixes based on user feedback.
- Product Management
- Maintaining this Project to this day
- MERN Stack + React Native w/ React Bootstrap
- AWS (EC2), GitHub Actions for CI/CD
- Currently Rebuilding the Application to scale to Nation-Party Level for more minute control capable of handling Country-wide voter data.

Braggi Shopping & Medical Slots Mar 2020 – Jan 2021

Solo Founder & Product

During the lockdown, marketing is difficult, and getting work done remotely has been equally difficult, so I started working on a new project. Braggi's Shopping Slots platform took 2 weeks to build, it allows it's users to book a slot to shop at their local grocery store, the platform handles queues and allows shop owners to decide how many people they can accomodate on an hourly basis at their store, while ensuring that social distancing is followed. This was a fun project, because I deployed it much more quickly than anything before, while constantly working with the changing situations due to the pandemic, it's helped me greatly with my ability to understand the market as a whole and it's needs during times like these.

- Stack: **ReactJS, React-Redux, Redux, AWS, ExpressJS, NodeJS, GitHub, GitHub Actions, MongoDB, Docker**
- Lead Developer
- Handled user studies and user research.
- Build new features and made bug fixes based on user feedback.
- Identified gap in the market for hospital slot reservation and refactored the project for it
- Product Management
- Maintaining this Project to this day

Braggi Chatbot Platform Mar 2015 – Mar 2017

Solo Founder & Product

Built a production quality chatbot service paired with cross-platform apps build on React and Flutter.

- Stack: **ReactJS, React-Redux, Redux, AWS, ExpressJS, NodeJS, GitHub, GitHub Actions, MongoDB, Docker, TensoFlow, WPF, WinForms, Flutter**

- Lead Developer
- Handled user studies and user research.
- Build new features and made bug fixes based on user feedback.
- Iterated through multiple versions & implementations of the product over the years to ensure that it was stable and reliable.
- Product Management
- Maintaining this Project to this day
- Machine learning and Natural Language Processing Pipeline development
- Handing training and testing of the chatbot
- Open Sourced a community version

Tesla+ Smart Electric Meter Mar 2015 – Sep 2015

Product

A smart electric meter add-on that connects to a standard electric meter and reports all usage metrics to a local hub which makes the data available via a mobile app and also to administration. Qualified for the CBSE National Science Fair's National level with this project!

- Stack: **ReactJS, Arduino**
- Handled user studies and user research.
- Identified a gap in the market for lack of alternatives to paper bills and lack of accessibility to meter-readings
- Build new features and made bug fixes based on user feedback.
- Product Management

Certifications

I usually teach myself things online over first-party Docs or FreeCodeCamp and avoid taking courses so that I can move at my pace. Sometimes however if a course is really good and worth the time I do get into it, like the ones below.

- Google Project Management - Took sometime out after my graduation to standarize my project management skills. This course was a great help in that regard.

Accomplishments/Brags/Hobbies

Cool things I've done and things I like to do in my free time!

- Published my first Application (SAM, mentioned above) at the age of 15, all while organically growing a dedicated blog, FB Page to promote it.
- Self-Hosted my first Website at 16 on a Raspberry Pi 3B+ using LAMP Stack.
- Built my own linux distro from Gentoo Linux, with final installation size of ~350MB for self-hosting applications.
- Self-Hosting my HomeLab locally using Proxmox, which also hosts my local Windows VM (with GPU Passtrhough on non-enterprise Nvidia Hardware) and Docker (PostgreSQL, Jenkins, Gitea, NextCloud, HomeAssistant etc) for my development needs.
- Use Ansible to automate setup and tear down of all my HomeLab VMs.
- Have 150K+ Reads on Medium with over 700 followers.
- Taught myself Data Science to perform analyses on user data to improve my products and act on feedback, managed to increase user interest in products with the same.

- Taught myself Video Editing and Graphic Design to promote my projects (Lead to the creation of my YT channel and other dedicated Social Media handles for projects like skillShack();)
- Have been a part of the Microsoft for Startups Program for skillShack();
- Help out local startups with their tech needs (Web Dev, App Dev, UI/UX, System Design, DevOps, Hiring and Marketing) from time to time.
- Gave a TedX talk at the age of 17 (Mentioned above)
- I mentor students and help them with their projects and career guidance. Also host webinars for colleges (Mentioned below).
- I daily drive Neovim as my main editor, with a custom config that I've been working putting together to act as an IDE replacement for my needs.
- I started using NixOS as my daily driver recently, and have a hyper-customized setup for my needs, that can be deployed on any machine with a single command.
- Side Project of Note: Working on an ActivityPub based social network, that is completely decentralized and self-hostable, with a focus on privacy and security.