SATYA ACHANTA

Senior Software Engineer | Full Stack Developer | Product Builder

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EXPERIENCE

Ithaka, Ann Arbor — Sr Software Engineer

November 2019 - PRESENT

Accomplished Senior Software Engineer with **10+ years of experience** designing, developing, and modernizing large-scale web platforms and APIs. Proven track record of maintaining **admin portals, reporting workflows, and public APIs** in compliance with COUNTER specifications.

- **Reduced the end-user feedback loop by 50%** by introducing a real-time feedback widget that streamlined user communication and improved feature turnaround.

- **Accelerated release velocity by 3×** through the adoption of **AI coding agents** and automated testing pipelines.

- **Eliminated delivery bottlenecks** by collaborating with product owners to plan and execute quarterly sprints with precision.

- **Enhanced CI/CD efficiency** by building scalable pipelines using **GitHub Actions, GitLab, Jenkins, Docker, and Kubernetes**.

- **Modernized legacy services** into **AWS Step Functions and Lambda architectures**, improving scalability and reducing maintenance overhead.

- Regular contributor to **open-source design systems** and experienced in implementing **React/Python/Django microfrontends** within enterprise design frameworks.
- Recognized for end-to-end ownership across the SDLC—from architecture and QA to production deployment—with a strong focus on reliability, automation, and developer velocity.

Infor, Ann Arbor — Software Engineer

May 2015 - November 2019

Engineered enterprise-grade software solutions for major automotive clients, driving feature delivery and system modernization across multiple business modules.

- **Spearheaded front-end development in Angular 8** and **built RESTful APIs with Spring Framework**, enabling smooth data flow and responsive UI for high-traffic enterprise applications.

- **Redesigned and optimized database schemas** using **Hibernate and SQL**, improving data consistency and cutting query latency across reporting workflows.

- **Partnered directly with the Principal Architect** in recurring 1:1s to refine architectural design patterns and continuously elevate code quality standards.

- **Led Angular migration initiatives**, modernizing legacy front-end architecture and introducing **automated linting (TSLint, ESLint)** to enforce maintainability and reduce code smells.

- **Automated release operations** by developing **silent-install scripts**, streamlining deployment cycles and minimizing manual intervention.

- **Accelerated analyst productivity by 30%** through custom **EDI mapping** between reports and Java classes, removing repetitive data-handling steps.

- Contributed to **d/EPM** and **Business Intelligence** teams, integrating analytics and reporting systems that supported key business decisions.

- Championed **Agile best practices** and **continuous integration** via **Jenkins, Git/SVN, and JIRA**, while employing **unit and integration testing** for reliable, production-ready builds.

CERTIFICATIONS & TRAININGS

Certified Kubernetes Application Developer (CKAD)

- Certification ID: **LF-hfc7lb3taq**
- Issued by the Cloud Native Computing Foundation (CNCF)
- Demonstrates proficiency in designing, building, and deploying cloud-native applications for Kubernetes
- Validates skills in core concepts
    - configuration, multi-container pods, observability, pod design, services & networking, state persistence, and troubleshooting

LangChain, Langraph and LangSmith

- Gaining hands on experience on RAG and Agentic workflows in LangChain
- Implemented RAG ChatBot in Python for my resume and daily standup notes
- Proficient in creating vector embeddings in ChromaDB and tool calling in Langchain

PROJECTS

Full-Stack Engineer — Fantasy League MichCA

www.fantasyleaguemichca.org

Built and launched a **prediction-based fantasy cricket platform** for **Michigan Cricket Association** fans, enabling users to predict match outcomes, track leaderboards, and compete across weekly rounds. Designed to bring community engagement and data transparency to local cricket enthusiasts.

- **Reduced result calculation time from 30 minutes to 15 seconds** by engineering an automated scoring pipeline powered by **Next.js (App Router), Prisma, and Neon Postgres Serverless DB**.

- **Built an end-to-end modern web stack** using **TypeScript, Next.js, and Clerk Authentication**, with scalable deployments on **Vercel**.

- **Implemented modular UI using ShadCN components**, ensuring consistent design language and responsive layouts across devices.

- Added **Progressive Web App (PWA) capabilities** for partial offline access and mobile-friendly usage during live matches.

- Designed a maintainable **serverless backend architecture**, optimizing API performance and reducing hosting overhead.

- Spearheaded complete product lifecycle — from concept, design, and data modeling to user authentication, performance optimization, and production deployment.

EDUCATION

Eastern Michigan University, Ypsilanti — Masters in CS

September 2013 - April 2015, Ypsilanti

GPA: 3.75

Pursued Masters in CS to expand my knowledge in CS core concepts and coding skills.