

SAI PRASADA REDDY

Tampa, FL | +1 330-289-6225 | appisr64@gmail.com | [LinkedIn](#) | [Portfolio](#)

SUMMARY

Full Stack Developer with **3 years of experience** building **cloud-native, enterprise-scale applications** across **marketing technology, insurance, and pharmaceutical domains**. Strong expertise in **Java, Python, React, Spring Boot**, and **AWS**, delivering **API-driven microservices, CI/CD automation, and distributed systems**. Experienced in **cloud platforms, DevOps practices, and AI-assisted application development**, including **production-ready full-stack solutions** enhanced by **LLM-based automation**.

PROFESSIONAL EXPERIENCE

Full Stack Developer | Epsilon | USA

Jul 2025 – Present

- Orchestrated cloud-native microservices using **Spring Boot, React.js, AWS EC2, and Kubernetes**, contributing to shared marketing platforms supporting **10M+ consumer profiles** across multiple **enterprise clients**.
- Engineered RESTful APIs using **Node.js** and **FastAPI** to enable **embedding-based semantic search** and **RAG workflows**, leveraging **Redis** for low-latency **vector caching** and **Hugging Face / OpenAI models** across **20+ internal services**.
- Streamlined CI/CD workflows using **GitHub Actions, Docker, and Kubernetes**, supporting **30+ production deployments** in collaboration with **6 cross-functional** engineering and QA teams.
- Strengthened application security by implementing **OAuth2, AWS IAM policies, and API Gateway controls**, securing service-to-service communication across **20+ dependent systems**.

Software Developer | Liberty Mutual | USA

Feb 2025 – Jun 2025

- Delivered **full-stack insurance modules** using **Java, Spring MVC, React, and PostgreSQL**, contributing to policy, underwriting, and claims workflows supporting **10+ business use cases**.
- Optimized **backend performance** through **Redis caching, database indexing, and query tuning**, improving stability across **8 scheduled batch pipelines** processing **large-scale policy datasets**.
- Integrated internal microservices and **third-party vendor APIs**, helping automate **15+ operational workflows** and reduce manual reconciliation steps across multiple business teams.

Software Developer | Cipla | India

Jun 2021 – Jul 2023

- Designed **enterprise backend services** using **Spring Boot, Hibernate ORM, and MySQL**, contributing to pharmaceutical platforms managing **8M+ transactional records** across regulated business systems.
- Automated **CI/CD pipelines** with **Jenkins and GitLab CI**, supporting **30+ compliant production releases** for manufacturing and quality-control applications.
- Modernized **legacy Java applications** by contributing to the decomposition of monolithic systems into **6 independently** deployable microservices aligned with **domain-driven design** principles.
- Streamlined **real-time data exchange** using **Kafka-based event pipelines**, reliably processing **3M+ messages daily** across supply-chain and manufacturing workflows.
- Deployed **containerized services** on **AWS-hosted Kubernetes clusters**, supporting **18 concurrent applications** with **rolling deployments and controlled failover** mechanisms.
- Collaborated in **Agile (Scrum) delivery** across **6 cross-functional teams** using **Jira**, contributing to **sprint planning, peer code reviews, and production readiness activities**.

TECHNICAL SKILLS

- Languages & Programming:** Java, Python, JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3, Regex
- Frameworks & Libraries:** Spring Boot, Hibernate, JPA, React.js, Redux, Django, Bootstrap, SASS, jQuery, NumPy, Pandas
- Backend & APIs:** RESTful APIs, Spring MVC, Node.js, Express.js, FastAPI, Swagger UI, Redis
- Databases:** MySQL, PostgreSQL, MongoDB, Cassandra
- Cloud & DevOps Tools:** AWS (EC2, Lambda, S3), GCP, Azure DevOps, GitHub, Maven, Gradle, Docker
- Testing & Debugging:** JUnit, Mockito, Postman, JMeter, Unit Testing, Form Validation
- CI/CD & Deployment:** GitHub Actions, Jenkins, Azure Pipelines
- Design & Prototyping:** Figma, Responsive Web Design
- Development Practices:** Agile (Scrum), Git, Jira, Version Control
- AI / ML (SDE-Focused):** Scikit-learn, Large Language Models (LLMs), Prompt Engineering, OpenAI APIs

PROJECTS

HackUTA – Job Application Tool (Python, Streamlit, MongoDB, OpenAI):

- Developed a **Python + Streamlit** platform backed by **MongoDB**, converting uploaded resumes into structured datasets and supporting search queries across **120 applicant profiles** during the HackUTA event.
- Integrated **OpenAI APIs** to automate skill extraction and role classification, generating parsed outputs in under **2 seconds per resume** and enabling recruiters to review **15+ candidates** in a single evaluation cycle.

URM Application – Full-Stack Platform (React, Node.js, SQL, WordPress):

- Built a **React** dashboard system with messaging, profiles, and resource tools, supporting **70+ student and faculty users** and handling daily interactions across **4 academic departments**.
- Engineered a **Node.js + SQL** backend with authentication, content routing, and **WordPress integration**, delivering stable API responses under **200 ms** and managing **300+ resource entries** shared across the platform.

EDUCATION

Master of Science in Computer Science | Kent State University | Ohio, USA | GPA: 3.83/4.0

Aug 2023 – Dec 2024

CERTIFICATIONS

- Career Essentials in Generative AI – Microsoft
- Career Essentials in Software Development – Microsoft
- AWS Certified Developer – AWS
- Machine Learning Pipelines with Azure ML Studio – Coursera