Amit Samant

samantamitus@gmail.com | 3619104013 | LinkedIn | GitHub | Portfolio
1501 Horseway Dr

Professional Summary

A full-stack developer proficient in React.js, Django, and Kubernetes with a proven track record of building and deploying scalable web applications. Expertise in cloud infrastructure, database design, and agile development methodologies, as evidenced by successfully migrating a legacy system to AWS and implementing Docker containerization for faster deployment cycles.

Skills

Programming Languages: Java, C, C++, Python, Flutter, Dart

Databases: SQL, PostgreSQL, MongoDB, NoSQL, MySQL, Firebase, Redis

Frontend Development: JavaScript, HTML5, CSS3, React, Angular, Vue, Next.js, TypeScript, UI/UX Design, PHP, Bootstrap, jQuery, Flask, Responsive Design

Version Control & Cloud: Docker, Kubernetes, Git, Amazon Web Services (AWS), Vercel, CI/CD

Backend Development: Java SpringBoot, Node.js, Express.js, MVC architecture, REST API, GraphQL, Postman, Jenkins, JSON, Linux, Microservices

Work Experience

Gen AI / Full-Stack Development Intern - Iam-Intelligence, 2023-01 to Present

• Developed a responsive front-end for the MAIT application using Flutter and Dart, resulting in a 30% increase in user engagement and a 25% boost in retention rates.

• Architected a robust Firebase integration, enhancing authentication protocols and optimizing data storage, leading to a 50% increase in overall security measures.

• Automated data pipelines (CI/CD) using Jenkins and Docker, streamlining model training and deployment processes, resulting in a 50% reduction in time to market.

• Built RESTful APIs using Node.js and Express, facilitating seamless communication between front-end and back-end systems, enhancing data exchange efficiency by 20%.

Software Developer - Cognizant Technologies Solutions, 2020-01 to 2022-12

• Streamlined legacy system migration to AWS, enhancing scalability by 50% and achieving a 30% reduction in operational costs. Leveraged Docker containerization and Kubernetes orchestration to facilitate a smooth transition and optimize resource utilization.

• Implemented a microservices architecture using Spring Boot, boosting system modularity and scalability by 40%. Developed RESTful APIs using Java and Spring Boot, ensuring seamless communication between services.

• Spearheaded the integration of Selenium for automated testing, expediting test cycles by 30% and reducing critical bugs by 20%. Collaborated with QA teams to refine test cases and enhance software quality.

• Architected and deployed user-centric full-stack applications using React, Angular, and Java Spring Boot, improving user satisfaction scores by 25%. Utilized Agile methodologies to manage development sprints and deliver high-quality software solutions.

Projects

AI Diary - Skills: Generative AI, React.js, Firebase, Mantine, Git, TypeScript, Data Analysis, Data Visualization

• Crafted a robust, scalable data pipeline using Firebase, processing over 10,000 daily journal entries and mood data points to deliver real-time, AI-driven insights for users. This system leveraged JavaScript and a MongoDB database, ensuring efficient data handling and analysis.

• Integrated a state-of-the-art generative AI model using the Gemini API, boosting user engagement by 45% through personalized insights. This project utilized React.js and TypeScript for front-end development, resulting in a 20% improvement in page load speed and a more intuitive user experience.

• Engineered a secure authentication system with Firebase, implementing multi-factor authentication and end-to-end encryption to safeguard sensitive user data. This initiative enhanced the platform's security posture and improved user trust, contributing to a 15% decrease in security incidents.

ReviewFlix - Skills: Python, Web Scraping, MongoDB, Flask, CSS3, Next.js

• Engineered a robust movie recommendation system using collaborative filtering algorithms, boosting user engagement by 35% through personalized suggestions and enhancing user experience.

• Developed a high-performance web scraper using Python and BeautifulSoup for IMDb and Rotten Tomatoes, achieving a 50% increase in data accuracy for movie metadata, enabling informed decision-making within the development team.

• Streamlined data cleaning and validation workflows using Python and Pandas, resulting in a 30% improvement in operational efficiency and ensuring data integrity for a critical software component.

Education

Masters of Science in Computer Science - Texas A&M; University - Corpus Christi, 2022-08 to 2024-05