

Saimahith Chigurupati

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Software Engineer with 5+ Years of Expertise in Designing Scalable Systems and Delivering Innovative Solutions

SKILLS

Programming Languages	Python, Java, C, JavaScript
Web Technologies	Spring Boot, FastAPI, Node.js, React.js, Next.js, Tailwind, REST API, GraphQL, Django REST
DevOps and Cloud	AWS, GCP, Linux, Git, Docker, Kubernetes, Jenkins, CI/CD, Terraform, Packer, Apache Kafka
Databases & Tools	MySQL, PostgreSQL, NoSQL, MongoDB, Redis, Azure SQL, Hibernate, RabbitMQ, SwiftUI
Certifications	AWS Certified Solutions Architect, Pega Certified Senior System Architect

WORK EXPERIENCE

Software Engineer, Walmart Oct 2024 – present

- Collaborating with the SRE team to develop automation tools, improving uptime for cloud services powering Walmart applications using Java, Spring Boot, Azure SQL, Python, and FastAPI.
- Contributing to Business Continuity and Disaster Recovery (BCDR) initiatives, enhancing the reliability of Walmart's applications during high-traffic events like thanksgiving sales, directly impacting major revenue generation.
- Designing and developing backend applications to enhance security and compliance of applications across the organization, ensuring alignment with security best practices and regulatory standards.

Software Engineer, Keelworks Jul 2024 – Oct 2024

- Contributed to the development of a digital knowledge hub, building a centralized platform for community-driven education, career advancement, and knowledge sharing.
- Developed backend REST APIs using Node.js, integrating Redis for session management and MySQL for data persistence with Sequelize ORM to ensure scalable and efficient data handling.

Lead Software Engineer, Northeastern University May 2023 – May 2024

- Led and managed a team of 50+ developers in building the Open-source NU Bitcoin Blockchain Explorer, driving the project's overall development and success.
- Contributed to the Grafbase API Gateway by integrating BitQuery GraphQL API, CoinAPI, and CryptoAPI REST API, adhering to OpenAPI specifications to ensure seamless data flow.
- Developed a Next.js-based Bitcoin explorer application, applying Test-Driven Development (TDD) using Playwright, and implemented CI/CD pipelines via Git Workflows to automate and streamline the development lifecycle.

Software Engineer, Optum Aug 2021 – Aug 2022

- Designed and developed a health insurance enrollment application for web and mobile platforms, utilizing Java J2EE, JavaScript, Pega PRPC, and PostgreSQL, driving significant revenue growth for UnitedHealth Group.
- Architected and engineered downstream RESTful APIs with Java Spring Boot, enabling seamless integration between insurance plans, field agents, and the Pega system, while integrating Kafka for real-time data streaming.
- Developed a custom Java security event logging solution using Log4J, safeguarding customer PHI/PII and reducing data breach risks by 85%, ensuring compliance with industry security standards.
- Led the application upgrade project during COVID-19, optimizing case management processes and integrating Adobe Sign and SMS APIs, boosting operational resilience and ensuring uninterrupted business continuity.

Programmer Analyst, Cognizant Jun 2019 - Jul 2021

- Revamped the architecture of an Equity and Debt investment processing application for World Bank Group, improving case processing lifecycle and disbursement time by 30% through advanced system design.
- Designed and implemented REST APIs for Java and .NET applications, integrating core business logic and configuring SLAs and routings to optimize workflow efficiency.
- Utilized Splunk and Tracer for troubleshooting and resolving production issues, ensuring zero downtime and delivering timely fixes with minimal impact on end-users.
- Provided L2 support for Pegasystems, diagnosing and resolving infrastructure and product-level issues to maintain system integrity and enhance user experience.
- Collaborated with cross-functional teams using JIRA in an Agile environment, contributing to SDLC phases and applying best design patterns to ensure timely and high-quality feature delivery.

EDUCATION

MS in Information Systems, Northeastern University GPA: 3.8/4.0

Achievements: Winner at Harvard Blockchain Conference (HBC '23), ETH Boston '23, Columbia Blockchain Hackathon (LionHack '23)
Coursework: Application Engineering and Development, Data Structures and Algorithms, Network Structures and Cloud Computing, Web Design and UX Engineering, iOS Mobile App Development, Engineering of Advanced Cryptocurrency Systems