

Suyash Salvi

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SKILLS

Languages: Python, Java, JavaScript, Typescript, GoLang, C/C++, Ruby

Database & Cloud: PostgreSQL, MySQL, Oracle, MongoDB, Redis, DynamoDB, Cassandra, CockroachDB, AWS, Azure, GCP

Tools & Platforms: Linux, Docker, Kubernetes, Jenkins, Terraform, Bash, Jira, Git, ELK, Grafana, PyTorch, TensorFlow, Vercel, Prisma, PowerShell

Web Technologies: NextJS, ReactJS, AngularJS, NodeJS, Spring Boot, Ruby on Rails, AJAX, jQuery, Django, Elasticsearch, GraphQL, TailwindCSS

WORK EXPERIENCE

Software Engineer @Rose Academies - SCU Frugal Innovation Hub, Santa Clara, CA

08/2024 - Present

Accessibility-centric SaaS solution | React, React Native, Spring Boot, JVM, HTML/CSS, Firebase, AWS (S3, Lambda, IAM), GCP, Selenium, Docker

- Pioneered creation of accessibility-centric app aiding individuals with disabilities, leveraging React and React Native, integrating Redux and React Query for enhanced responsiveness, resulting in a 25% increase in user accessibility
- Owned end-to-end delivery of backend services with Spring Boot & Firebase, implementing an API Gateway (Spring Cloud Gateway) and Eureka for dynamic service discovery, OAuth 2.0, & GraphQL API, improving request handling efficiency by 40%
- Developed real-time search using AWS OpenSearch with Firestore Triggers and AWS Lambda, reducing average query response times by 30%
- Automated CI/CD pipeline using GitHub, Jenkins, Docker, and AWS ECS (Fargate), reducing deployment time by 60% & achieving zero downtime
- Led a team of 8 engineers in adopting best practices for distributed system design, improving code quality, and maintaining documentation

Software Engineering Intern @Flow Turbo, Santa Clara, CA

04/2024 - 07/2024

Sales Representative Portal | Python, Django, AWS (RDS, ECS/ECR, CodePipeline, CloudWatch), Postman, Redis, Docker, Jenkins, Pytest, Confluence

- Built serverless event-driven architecture for an integrated sales representatives portal using Django(DRF) & AWS RDS(PostgreSQL) to eliminate manual data retrieval and navigation between multiple platforms, saving 2 hours per day
- Optimized backend processing for task automation by leveraging Django's Celery and Redis, enabling real-time lead notifications, automated reporting with AWS EventBridge and S3, and reducing job execution time by 40%
- Developed CI/CD pipeline leveraging Jenkins, Docker, and Amazon EKS, automating deployments, and cutting deployment time by 50%
- Collaborated with frontend team, AI team, and team leads during daily scrum meetings to refine requirements, reinforcing agile practices

Software Engineer @LTIMindtree, Mumbai, India

08/2020 - 12/2022

Invoice Management System | NodeJS, ReactJS, MongoDB, AWS, Redux Saga, RabbitMQ, Github, VSCode, WebSockets, Docker, HTTPS/TLS over TCP/IP

- Architected microservices for an invoice management system with NodeJS, ReactJS, and MongoDB, improving processing time by 25% while deploying on AWS EC2 with Nginx and GitLab CI pipelines
 - Streamlined invoice processing performance by implementing Redux and Redux Saga for state management in the React.js-based user dashboard, improving data consistency, reducing API re-fetching, and decreasing bug occurrences by 20%
 - Implemented JWT authentication with short-lived access tokens, automatic refresh, and SHA-256 encryption, integrating OKTA for role-based access control (RBAC), and multi-factor authentication (MFA), increasing session security by 35%
 - Leveraged RabbitMQ (AMQP) with AWS SNS and SES for background processing and message queuing, enabling asynchronous updates and synchronization with inventory systems, improving system reliability by 40%
 - Mentored and onboarded new hires, cutting ramp-up time by 20% and boosting team debugging efficiency through proactive guidance
- Banking & Financial Domain | Java/J2EE, Spring Boot, AngularJS, SQL, JIRA, Maven, BitBucket, Eclipse, JUnit, Mockito, Redis, Ehcache, Tomcat, Linux
- Engineered RESTful APIs with Spring Boot/MySQL to aggregate reporting data and integrate legacy systems with modern APIs, processing 10K+ transactions daily and leveraging Swagger for validation and documentation
 - Developed & executed comprehensive backend testing strategies using Mockito, JUnit, and TestNG, reducing post-deployment defects by 40%
 - Integrated AngularJS dashboards for dynamic data visualization, leveraging Angular Material, NgRx, and RxJS to handle over 1,000 user queries
 - Optimized database performance by implementing query indexing, pagination, and caching (Redis, Ehcache), reducing average query execution time from 150 ms to 110 ms while aggregating and processing transactional data

EDUCATION

Master of Science in Computer Science & Engineering @Santa Clara University, CA, USA, GPA: 3.8/4

04/2023 - 03/2025

Bachelor of Engineering in Computer Science & Engineering @Mumbai University, Mumbai, India, GPA: 7.38/10

06/2016 - 07/2020

PUBLICATION & CERTIFICATION

- [AWS Certified Solutions Architect - Professional](#)
- [Microsoft Certified: Azure Fundamentals AZ-900](#)
- [Web Development with GoLang](#)
- [Research Paper](#): "Machine learning-based Selection of Optimal Sports Team based on the Players' Performance" at the 2020 5th International Conference on Communication and Electronics Systems (ICCES), IEEE Xplore.

PROJECTS

Stock Market Notifications | NodeJS, Spring Boot, ReactJS, MySQL, MongoDB, AWS

- Created broker system overseeing distributed algorithms such as Broadcast, Leader Election, Consistency, Heartbeat Protocol

Cbum AI - Fitness Coach | NextJS, TypeScript, ReactJS, LangChain, OpenAI, GraphQL, Tailwind, Prisma, PostgreSQL, Docker, Vercel, Cypress, Stripe

- Built an AI-driven PWA using OpenAI models for personalized fitness plans, interactive feedback, and push notifications