

Rohit Sharma

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Experience

Senior Software Engineer

Dec 2021 – Jun 2022

Capgemini, Financial Services

Mumbai, India

- Led a cross-functional team in developing HSBC's compliance web application using Spring Boot and Angular, enhancing regulatory adherence by 45% for over 100,000 employees
- Architected and implemented a Java-based custom executor service for parallel processing, reducing data ingestion time from days to hours and boosting efficiency by 80%
- Mentored and guided a team of 6 developers while orchestrating a robust CI/CD pipeline using Jenkins, SonarQube, and Nexus IQ, resulting in a 27% increase in deployment frequency and a 40% reduction in code discrepancies
- Established load balancing and Oracle database replication for cloud-based servers, ensuring 99.9% uptime and achieving 35% faster data processing

Software Engineer

Nov 2020 – Dec 2021

Capgemini, Financial Services

Mumbai, India

- Engineered scalable backend systems with RESTful APIs (documented via Swagger), integrating Active Directory and HR CSV data into Oracle distributed database, improving data retrieval speed by 30%
- Leveraged Spring Security for ADLDS authentication and developed custom profile creation algorithms, reducing unauthorized access attempts by 95%
- Optimized Oracle RDBMS queries and designed responsive Angular components, reducing entitlement review time by 30% and improving UI efficiency by 40%
- Automated job processes using bash scripts and Control-M, achieving a 207% improvement in workflow efficiency and ensuring seamless integration with cloud infrastructure

Cyber Security Intern

Jun 2018 – Sept 2018

Ernst & Young

Mumbai, India

- Conducted cybersecurity audits, including Wi-Fi penetration tests and vulnerability assessments for 4 clients, identifying critical vulnerabilities
- Analyzed over 20 security assessment reports, highlighting system risks and proposing actionable mitigation strategies

Skills

Programming Languages: Java, Python, JavaScript, C++, SQL, TypeScript, HTML5, CSS

Web Technologies: ReactJS, Node.js, Next.js, Angular, Bootstrap, Tailwind CSS

Frameworks: Spring (Boot, Security), Redux, GraphQL, Flask

Databases: Oracle, MySQL, MongoDB, DynamoDB, Cassandra, Redis

Cloud & DevOps: AWS, Firebase, Kafka, Docker, Git, Jenkins, Ansible, Kubernetes, SonarQube, Nexus

AI/ML: TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas

Tools & Methodologies: Git, Jira, JUnit, Mockito, Maven, Websockets, Swagger, Postman, Agile, CI/CD, SDLC, TDD

Academic Projects

Eazie - Comprehensive Financial SaaS Platform | *Next.js, Node.js, SSR authentication, Tailwind CSS*

Jul 2024

- Engineered a financial SaaS platform using Next.js, enabling secure multi-bank integration and real-time transaction display, which streamlined financial operations for users
- Implemented SSR authentication, dashboard overview, and responsive design to ensure a seamless user experience

Real-Time Video Super Resolution | *TensorFlow.js, ESPCN, WebRTC, Firebase*

May 2024

- Created a tool for video super-resolution using TensorFlow.js, ESPCN, and WebRTC, enhancing the quality of 720p video streams in a browser environment by 30%
- Integrated Firebase for user authentication and WebSockets for signaling, enabling real-time peer-to-peer video communication

Kafka Cab Booking System | *Apache Kafka, Spring Boot, React, Docker*

May 2024

- Architected a cab booking system using Apache Kafka and Spring Boot microservices, demonstrating real-time event processing for ride requests and driver assignments, handling 1,000 requests per second
- Built a responsive React/TypeScript frontend and containerized the application with Docker, deployed on AWS EC2 instances, ensuring high availability and scalability

Education

San Jose State University

Aug 2022 – May 2024

Master of Science in Computer Engineering

San Jose, CA

University of Mumbai

Jul 2016 – Oct 2020

Bachelor of Engineering in Electronics and Telecommunication

Mumbai, India