Ronit Chougule

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SUMMARY

Dynamic Software Engineer with a Master's in Information Systems from Northeastern University and over three years of experience. Proven track record in designing, developing, and maintaining robust and scalable backend systems to support complex web applications. Collaborative team player, able to effectively communicate with cross-functional teams and deliver high-quality code.

EDUCATION

Northeastern University | Boston, MA **|** Master's of Science, Information Systems — Sep 2021 - Dec 2023
Courses: Application Development, Database Management, Web Design, Enterprise Software Engineering, Agile Methodologies

Pune Institute of Computer Technology | Pune, India **|** Bachelor of Engineering, Information Technology — Aug 2014 - Jun 2018
Courses: Object Oriented Programming, C# programming, Software Engineering principles, Linux, Data Structure and Algorithms

PROFESSIONAL WORK EXPERIENCE

Cequence Security | Software Engineer | Sunnyvale, CA, United States — May 2022 - Dec 2022

- Architected a high-performance **Spring Boot** microservice with Java to calculate **Apache Kafka** consumer lag within the system, utilizing custom metrics to dynamically manage the scaling of **Kubernetes** pods and improve service uptime
- Transformed T-Mobile's web API data processing while enhancing data distribution with Kafka, slashing processing time from 20 to 8 hours, and implementing Elasticsearch for streamlined metric tracking
- Built secure, high-performance Node.js REST APIs for various role-based dashboards with versioning, rate limiting, **OAuth, JWT, & Spring Security**, hosted on **EC2**, efficiently handling 1M+ monthly requests & boosting reliability by 20%
- Engineered bot activity detection systems to proactively mitigate malicious patterns across web, mobile, and API communications, enhancing security for diverse clientele

Tripstack | Software Developer | Pune, MH, India — Jun 2019 - Jun 2021

- Developed a **.NET Core** microservices setup, cutting booking and search times by 35%, and utilized **AWS** tools to enhance fare accuracy, driving a 40% efficiency boost and substantial savings
- Automated airline ticket refunds through development of "Refundair" web application using **NodeJS** & **ReactJS**, consolidating refund requests from multiple portals to enhance operational efficiency and reduce processing time
- Automated report generation with **CRON jobs**, storing reports in **S3** to improve accessibility, utilized **Elasticsearch** to index and search 50k+ documents, achieving sub-second response times
- Set up **CI/CD pipelines** reducing the deployment time by 30 min and automate anomaly detection email notification

Tripstack | Associate Software Developer | Pune, MH, India — Jun 2018 - Jun 2019

- Formulated a comprehensive schema for a **SQL Server** database enabling a collaborative setting for data research, analysis, visualization, and forecasting across the organization
- Achieved 95% code coverage, reducing bugs with 250+ **JUnit** unit tests under a **Test-Driven Development** (TDD) framework, using **SonarQube** to address code smells, integrating Grafana dashboard for real-time monitoring
- Participated in **SDLC** (Agile/Scrum), fixing bugs, writing RCA docs, & doing pair programming and code reviews to ensure timely delivery

CORE COMPETENCIES & SKILLS

- **Programming Languages:** Java, C#, Python, JavaScript, C++, typescript
- **Web Design:** HTML, HTML5, CSS, Bootstrap, Ajax, jQuery, Angular.js, React.js, Node.js, Redux, Rest, Soap, Restful API, UI, UX, JSON
- **Database Management:** MySQL, MS SQL Server, NoSQL MongoDB, PostgreSQL, Oracle
- **Cloud Technologies:** AWS(S3, EMR, EC2, RDS), AWS API Gateway, AWS Lambda, Azure
- **Tools & Technologies:** NetBeans, IntelliJ, Postman, Jira, Selenium WebDriver, Docker, Confluence, Jenkins, Figma, Kanban, GitHub
- **Others:** Servlet, Elasticsearch, Git, Spring Framework, Junit, J2EE, Unix, Agile, Apache Kafka, xml, Helm, Terraform, Redis

ACADEMIC PROJECTS

Husky Music Player | React JS, Node JS, Express JS, MongoDB, HTML5, CSS3 — Oct 2023 - Dec 2023

- Engineered a MERN-stack music app for song uploads, and playlist creation, using Node.js and Express.js for backend controllers
- Implemented Stripe API for in-app purchases of premium features, facilitating ad-free listening, exclusive content access in the app.

Healthcare Management System | Java, Spring, Maven, MongoDB — Jan 2023 - May 2023

- Devised scalable RESTful backend with Java, Maven and Spring for efficient data organization in medical service inventory
- Designed optimized MongoDB databases within a scalable MVC architecture for patient data in medical inventory management

Covid Tracker | SQL, Procedures, Triggers, PowerBI — Jan 2022 - May2022

- Crafted SQL schema & integrated procedures/triggers for efficient student Covid status monitoring & statistical insights
- Implemented trigger-based alerts to notify university stakeholders of critical developments such as sudden increases in COVID-19 cases