

Ronit Chougule

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EDUCATION

Northeastern University, Master's in Information Systems, Boston, USA

Expected December 2023

Relevant Courses - Application Development, Database Management, Web Design, Enterprise Software Design, Agile methodologies, Algorithms

Pune Institute of Computer Technology, Bachelor of Engineering, Information Technology, Pune, India

May 2018

Relevant Courses - Data Structures & Algorithms, Object Oriented programming, C# programming, Software Engineering, Linux systems

PROFESSIONAL EXPERIENCE

Cequence Security | Sunnyvale, California

Software Engineering Intern

May 2022 – December 2022

Traffic Metrics Team

- Achieved **98.2%** service uptime with custom Kafka consumer lag metric, optimizing Kubernetes scaling and reducing CPU dependency
- Reduced data processing from **40** hours to **3** hours using Spring Boot, enabling efficient data transformation across the organization
- Improved Risk app and Sentinel dashboard with **25** + bug fixes and **50** + JUnit tests, ensuring quality and functionality

Threat Research Team

- Discovered and eliminated malicious bot activity patterns in web, mobile, API communications, enhancing application-level security
- Innovated a Python regex tool with **89%** accuracy, using negative lookahead for enhanced user agent defense against varied attacks
- Engineered bot activity detections (ATO, Account Farming, Scraping, Flooding, Fake Requests) enhancing security for diverse clientele

Tripstack | Pune, India

Software Engineer

July 2019 - July 2021

- Designed micro-services-based REST API solution in .NET Core, and engineered intricate modules for airline ticket reservation, optimizing search and booking processes, resulting in a **35%** reduction in booking time for thousands of flights
- Automated airline ticket refund process using microservices, slashing refund time by **40%**, optimizing operational efficiency
- Improved flight fare accuracy by **87%** using Java, Spring Boot, and advanced caching for swift data processing
- Enhanced EFOE product performance by **20%** and generated **\$80k** yearly profit through innovative bot detection solutions
- Facilitated training sessions for **30+** newly recruited team members and onboarded them to the organization's codebase
- Led cross-functional teams, optimizing Grafana data analysis by **50%** in Elasticsearch development, demonstrating strong leadership

Junior Software Developer

June 2018 - July 2019

- Architected TypeScript with Elastic Search, reducing request latency by **30%** via optimized processing and storage
- Revolutionized flight data gathering with JSON-formatted API integration, completing tasks in under **5 seconds**
- Refactored old code base to modern development standards for a web application using web centric framework like Node.js, Express.js, React, improving performance by **20%** as per business requirements
- Contributed to **50+** code reviews in **180** days, utilizing Git and SonarQube to optimize code quality and project outcomes
- Integrated unique ancillary products in Baggage and Seat Selection using Node.js and React, boosting organizational sales

SKILLS

Programming Languages: Java, C#, Python, Kotlin, JavaScript

Web: HTML, CSS, Bootstrap, Ajax, JQuery, Angular JS, Redux, Rest, Soap,

Database: MySQL, MS SQL Server, MongoDB, PostgreSQL, Elasticsearch

Cloud Technologies: AWS(S3, EMR, EC2, RDS), AWS API Gateway, AWS Lambda, Azure

Frameworks: Spring Boot, Spring MVC, Node.js, Express.js

Tools & Technologies: NetBeans, Kibana, Postman, Git, Jira, Selenium WebDriver, Docker, Confluence, Jenkins

Other: XML, CI/CD Pipeline, Npm, Maven, Servlet, Unit testing

PROJECTS

Husky Music Player

January 2022 - May 2022

- Developed MERN-stack music app with a user-friendly frontend, enabling seamless song uploads, track liking, and playlist creation
- Formulated intuitive UI with ReactJS, coupled with robust NodeJS controllers, showcasing expertise in frontend, UI design, and modern web technologies

Automobile Vehicle Management System

January 2022 - May 2022

- Programmed an e-commerce responsive website using Spring MVC, Hibernate, and Spring Security to buy/sell automobile vehicles
- Implemented RESTful web services to dynamically get the city and state name based on zip code

Healthcare Management System

October 2021 - December 2021

- Devised a robust and scalable RESTful backend with Java, Spring Boot alongside engineering a scalable MVC architecture for medical service inventory management, ensuring efficient data organization and system performance

Shopping Cart Management System

October 2021 - December 2021

- Generated backend for shopping cart management application using Spring Boot, deployed on AWS EC2, ensuring seamless functionality and scalability
- Assembled robust RESTful APIs incorporating advanced filtering, enhancing the application's data management efficiency