Rajas Patil

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SKILLS

Programming Languages & Web Technologies: Java, Python, JavaScript, HTML, CSS, Angular, REST APIs, React
Frameworks & Libraries: Spring Boot, JPA, JUnit, Mockito, Primefaces
Databases: MySQL, PostgreSQL, Oracle
DevOps & CI/CD: AWS, Docker, Kubernetes, Jenkins, Maven, Git, ArgoCD, Helm, Rancher
Security Tools & Practices: Burp Suite, OWASP ZAP, Fortify, SonarQube
Tools & IDEs: IntelliJ, Eclipse, VS Code, Android Studio, Postman, Katalon Studio, Jupyter Notebook

WORK EXPERIENCE

OurCode   Fairfax, VA
Software Engineer   Aug 2024 - Present
- Brainstormed and **developed proof of concept** for features in flagship product, ActiveDocumentation, **utilizing React**
- Evaluated the tool on open-source projects, addressing issues and identifying opportunities for enhancement

Tata Consultancy Services   Mumbai, India
Software Engineer   Jun 2019 - Jul 2022
- Collaborated in engineering **a legacy Java application's transformation into a microservices architecture** with Spring Boot and Angular, enhancing customer satisfaction by 80%.
- Directed the creation and **integration of over 150 unit tests using JUnit and Mockito,** achieving full automation of the **CI/CD pipeline via Jenkins.**
- Streamlined Oracle SQL database management, successfully migrating services to an Alfresco repository; **released 500GB of storage** and improved system performance by 40%.
- **Mentored 25 associates in Java** and JSF, boosting team productivity and project quality.
- Engineered 120+ automated test scenarios with Katalon Studio, **cutting manual regression testing efforts by 40%.**

Security Advisor   Feb 2021 - Jul 2022
- **Neutralized critical security threats**, such as Log4shell, **by utilizing Fortify and SonarQube,** which secured 10+ enterprise applications and maintained 99.9% compliance with industry security standards.
- **Executed quarterly penetration tests on 4 applications** using Burp Suite and OWASP ZAP, reducing security risks by 30% and enhancing the overall security posture.
- Boosted system resilience by addressing and rectifying **1000+ security issue instances**.

Business Analyst   Jun 2019 - Feb 2020
- **Optimized Agile SDLC project workflows, leading daily stand-ups and using project management tools** to enhance translation of over 30 user stories, resulting in a 25% improvement in application KPIs.

Brihanmumbai Electric Supply and Transport (B.E.S.T)   Mumbai, India
Software Development Intern   Jun 2018 - Aug 2018
- Redefined the way of maintaining records by **digitizing the system** reducing paper-based documentation by 80% after the successful deployment of the application.

EDUCATION

George Mason University   Fairfax, VA
MS in Computer Science (Cumulative GPA: 3.97/4)   Aug 2022 - May 2024
University of Mumbai   Mumbai, India
B.E. in Computer Engineering   Jul 2015 - May 2019

ACADEMIC PROJECTS AND PAPERS

SplitSmart - Need-based project   Mar 2024 - Present
- Deployed Apache Tika within a full-stack application and developed REST APIs to **automate expense extraction and division from Walmart PDF receipts**, achieving an 80% reduction in manual processing.

FullStack DevOps Application Pipeline   Aug 2023 – Dec 2023
- Developed and deployed a **CI/CD pipeline for a microservices-based application, integrating Docker, AWS, Kubernetes, and Jenkins**, enhancing deployment efficiency and system stability

Secured Implementation of Hearts – Playing Cards game   Jan 2023 – May 2023
- Designed a secure multiplayer card game **application using Spring Boot and Angular with TLS encryption and server/client-side validation,** securing against 95% of potential attacks

LEADERSHIP EXPERIENCE

Computer Society of India – University of Mumbai   Mumbai, India
Chairperson   May 2018 - Apr 2019
- Led a team of 70+ students in organizing various technical events, boosting student participation by 30%.

AWARDS AND ACHIEVEMENTS

- Honored with the **Distinguished Academic Achievement Award** from George Mason University for achieving a 3.97 GPA in the Master's program in Computer Science among 450+ students
- Earned the **Team Applause Award** at Tata Consultancy Services for outstanding technical proficiency in project deliverables