Rohit Padwal

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✦ SUMMARY

- I am a skilled software development professional with 3 years of experience in software design, development, and integration. Proficient in developing systems for diverse business sectors and a detail-oriented, analytical problem-solver, focused on enhancing user experience.

🎓 EDUCATION

The University of Texas at Arlington   **Arlington, TX, USA**
Master of Science in Computer Science - (3.9/4)   *May 2023*

- Web development, Cloud Computing, Software engineering, Database, and Distributed Systems

Savitribai Phule Pune University   **Pune, MH, India**
Bachelor of Engineering in Computer Engineering   *July 2017*

- Algorithm design, Data structures, Object-Oriented & Reactive programming

💼 PROFESSIONAL WORK EXPERIENCE

Software Engineer Intern   **Los Angeles, CA, USA**
RepairSmith by AutoNation   *June 2022 to August 2022*

- Researched project performance optimization in GitLab CI/CD pipeline while adapting Groovy, resulting in a 10% improvement.
- Persuaded in design & development of an internal tool, contributing to enhancement of my team's productivity and efficiency.
- Conducted extensive research on emerging technologies and frameworks, presenting findings to team and making recommendations for potential integration into future projects and contributed to documentation of technical specifications, ensuring clear guidelines.
- Collaborated with a team of 8 members in an Agile environment, utilizing Docker for containerization, to streamline software deployment.

Senior Systems Engineer   **Pune, MH, India**
Infosys Limited - FedEx   *December 2019 to July 2021*

- Led a team of 3 developers, managing end-to-end SDLC and delivering 2 critical projects within scope, while programming in Java and Angular to rectify and enhance applications, resulting in a 20% improvement in application stability and performance.
- Coordinated and communicated with FedEx for day-to-day business interaction & requirement gathering impacted securing new projects.
- Engineered UI deployment using Docker, Kubernetes, Azure, and Jenkins, stabilizing client's UI perfectly, reducing deployment time by 30%.
- Resolved vulnerability assessment issues and secured UI by detecting security weaknesses resulting in a 40% reduction in vulnerabilities.

Software Engineer   **Pune, MH, India**
Product Dossier Solutions India Pvt Ltd   *May 2018 to June 2019*

- Implemented Java and Angular for debugging, business logic, and troubleshooting for Project Management ERP Software as a full-stack developer, yielding bug fixing and overall performance (data structures and build process optimization) of software by 20%.
- Utilized Java to develop additional functionalities, such as data processing and integration with external systems, as an agile team member.

🛠 SKILLS

- **Programming Languages:** Java, C, C++, Swift, Objective-C, Python, PHP
- **Operating Systems:** Windows, Linux, Unix, Ubuntu, macOS, iOS
- **Packages & Tools:** Eclipse, Visual Studio Code, Jira, Git, SVN, Maven, Apache-tomcat, Karma, Jasmine, JUnit, Mockito, Agile Methodology, MS Office, Docker, Kubernetes, Jenkins, REST API, Struts, Spring Boot 4, Angular Material, NPM, Postman, SonarLint, Swagger, IntelliJ IDEA, NPM, Webpack, SonarQube, Kafka, RPA(Assist-Edge), SDLC, Omega, Spock, Flask, Hibernate, ES6, Redis, Spark
- **Database and Cloud:** SQL, PostgreSQL, Oracle, MSSQL, NoSQL, Microsoft Azure, GCP
- **Web Technologies:** Angular, React, Html5, CSS3, JavaScript, JSP, Node, Bootstrap, Typescript, JSON, AJAX, jQuery, ES6, Svelte

🚀 PROJECTS

Nudges Template Configurator *(Java, Spring Boot, Angular 10, REST, SQL, Docker, Kubernetes, Azure)*

- Launched a user-friendly UI to configure and display digital nudges on respective websites, outlook, and mobile using Angular 8, resulting in a 30% increase in engagement and conversion rates. Implementation of Angular 10 resulted in a 30% improvement in page load time.

Desktop-Voice-Assistant (Python, Flask, Speech-Recognition, pyaudio, Azure)

- Developed speech recognition functionality, accurately capturing and interpreting user commands with a recognition accuracy of over 90%.

Project Management Tool *(Java, Spring Boot, Angular, JavaScript, Oracle, AWS)*

- Integrated a Kanban board into a tool, facilitating visual project management and enhancing collaboration among team members, resulting in a 30% increase in task completion rate, and a developed dashboard, improving project monitoring, and reducing project delays by 15%.
- Succeeded in collaboration feature, robust security measures to protect sensitive project data, reducing risk of unauthorized access by 95%.

Lunamar: Real Estate Controller *(React, PHP, Laravel, Oracle, GCP)*

- Increased user engagement by 40% through a responsive design and optimized user experience, leading to higher conversion rates.
- Constructed a robust backend using PHP and Laravel framework to handle data retrieval and provide RESTful APIs for front end.

Cryptographic Algorithms Analysis *(Python, Flask, Azure,* SQL*)*

- Conducted extensive performance testing and benchmarking of different algorithms, analyzing factors such as encryption/decryption speed, key size, and resistance to attacks by allowing users to interact with cryptographic algorithms, input data, and analyze results.

SolGram: Grammar Fuzzer for Ethereum Smart Contracts (Python, *Angular, JavaScript, ANTLR, Solidity, GCP*)

- Invented grammar-based fuzzing and linting for solidity programming language applying Angular and ANTLR library, reduced difficulty for existing IDE as well as solidity developers impacting in ease of developing smart contracts.

⌨ OPEN-SOURCE CONTRIBUTION

- SolGram reduces difficulty for existing IDEs and Solidity developers. Project is available on GitHub for community to benefit.