

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 Science

July 2017

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

PROFESSIONAL WORK EXPERIENCE

Software Engineer Intern

Los Angeles, CA, USA

RepairSmith, Inc

June 2022 to August 2022

- Researched project performance optimization in GitLab CI/CD pipeline while adapting Groovy, resulting in a 10% improvement.
- Assisted in design & development of an internal tool, contributing to the enhancement of the team's productivity and efficiency.
- Conducted extensive research on emerging technologies and frameworks, presenting findings to the team and making recommendations for their potential integration into future projects and contributed to the 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 Technologies - FedEx

December 2019 to July 2021

- Led a team of 3 developers, managing the 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, MapReduce
- 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)

- Built 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. Further implementation of Angular 10 resulted in a 30% improvement in page load time.
- Applied Java-Spring Boot, Angular 10, Docker, Kubernetes, and Azure to develop a modified UI that assured a 50% increase in nudge response and almost 80% automation coverage for admin-level users who configure different nudges based on various scenarios.

Touchbase Project Management System (Java, Python, Angular JS, & 6, JSP, Struts, JavaScript, SQL, Oracle)

- Expanded as well as updated existing software product 'TouchBase', producing a 40% increase in performance and maintainability.
- Converted frontend from JSP to Angular leveraging Angular material library while adding procurement features budget management, supply chain management, and vendor management along with project planning & scheduling, risk management, and integration with ERP.

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.
- Built a robust backend using Swift and the Vapor framework to handle data retrieval and provide RESTful APIs for the 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 the cryptographic algorithms, input data, and analyze the results using.

SolGram: Grammar-based fuzzer for Ethereum-based smart contracts (Angular 12, JavaScript, Python, 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 the difficulty for existing IDEs and Solidity developers. The project is available on GitHub for the community to benefit.