

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.

📁 PROFESSIONAL WORK EXPERIENCE

Software Engineering Researcher The University of Texas at Arlington

Arlington, TX, USA
Jul 2023 to Current

- Conducting in-depth research and analysis on AWS cloud computing services and solutions, driving innovation in projects & solutions.

Software Engineer Intern RepairSmith by AutoNation

Los Angeles, CA, USA
Jun 2022 to Aug 2022

- Researched project performance optimization in GitLab CI/CD pipeline while adapting Groovy, resulting in a 10% improvement in the app.
- Conducted extensive research on emerging technologies and frameworks, presenting findings to team and making recommendations for potential integration into future projects and contributed to the documentation of technical specifications, ensuring clear guidelines.
- Pioneered Agile methodologies with an 8-person team, integrating Docker for containerization, resulting in a 30% reduction in deployment.

Senior Software Engineer Infosys Limited - FedEx

Pune, MH, India
Dec 2019 to Jul 2021

- Led a team of 3 developers, managing end-to-end SDLC and delivering 2 critical projects within scope, while programming in Java (Spring Boot, microservices), Angular, React to rectify & enhance applications, resulting in a 20% improvement in application stability & performance.
- Reduced requirement gathering time by 10% through streamlined communication with FedEx, significantly impacting securing new projects.
- Engineered UI deployment using Docker, Kubernetes, Azure, and Jenkins, stabilizing client's UI perfectly, reducing deployment time by 30%.

Software Engineer Product Dossier Solutions India Pvt Ltd

Pune, MH, India
May 2018 to Jun 2019

- Implemented Java-Spring, Python-flask, & 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 enhancements, achieving a 5% reduction in data processing and integration with external systems, agile team member.
- Enabled the development of an internal tool using Microservices, resulting in a 15% enhancement in scalability and resource utilization.

🔧 SKILLS

- Programming Languages:** Java, J2EE, Python, PHP, C#, C, C++, Swift
- Database and Cloud:** SQL, PostgreSQL, Oracle, MSSQL, NoSQL, AWS, Microsoft Azure, GCP
- Web Applications/Technologies:** Angular, React, Html5, CSS3, JavaScript, JSP, Node, Bootstrap, Typescript, JSON, AJAX, jQuery, ES6
- Operating Systems:** Windows, Linux, Unix, Ubuntu, macOS, iOS, Android
- Packages & Tools:** Jira, Git, Maven, Kafka, JUnit, Spring Boot 4, Docker, Kubernetes, REST API, Flask, Eclipse, Visual Studio Code, Tomcat, Karma, Jasmine, Mockito, Agile Methodology, MS Office, Jenkins, Struts, Material UI, Postman, SonarLint, Swagger, IntelliJ IDEA, NPM, Webpack, SonarQube, RPA, SDLC, Spock, Hibernate, Redis, Spark, OAuth, Gradle

🎓 EDUCATION

The University of Texas at Arlington

Arlington, TX, USA
May 2023

Master of Science in Computer Science - (3.9/4)

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

Savitribai Phule Pune University

Pune, MH, India
July 2017

Bachelor of Engineering in Computer Engineering

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

🚀 PROJECTS

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

Apr2020 to Jul 2021

- 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, ASR algorithm)

Jan 2023 to May 2023

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

Weather Analysis Dashboard (Python, SQL, Azure, Azure data studio, Flask, Docker)

May 2022 to Aug 2022

- Leveraged Azure and Azure Data Studio to efficiently manage and query large datasets, achieving a 40% reduction in query response time compared to previous methods, while implementing a data preprocessing algorithm that cleansed and standardized raw weather data.

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

Aug 2021 to Dec 2021

- Increased user engagement by 40% through a responsive design and optimized user experience, leading to higher conversion rates, and constructed a robust backend using PHP & Laravel framework to handle data retrieval and provide RESTful APIs with recommendation algo.

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

Jan 2023 to May 2023

- Conducted extensive performance testing and benchmarking of algorithms (RSA, SHA, Hash), 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)

Aug 2022 to Dec 2022

- 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, with help of lexer and parser algorithms.

🏆 OPEN-SOURCE CONTRIBUTION

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