

PREM PRADEEP MOTGI

1050 Benton Street Apt 2218, Santa Clara, CA 95050 | 669-295-8113 | motgi.prem@gmail.com

Education

Santa Clara University (MS in Computer Science) - Santa Clara, CA Expected in 06/2021

Relevant Courses: Design and Analysis of Algorithms, Operating Systems

Pune University (Bachelor of Engineering in Computer Science) – India (GPA 3.76/4) 06/2017

Relevant Courses: Algorithms, Object Oriented Analysis and Design, Advanced Java Programming

Skills

- **Programming Languages:** C, C++, **Java**, **JavaScript**, Android App Programming, Python
- **Web Development:** JavaScript, HTML, CSS, ES6
- **Databases:** Relational Database(MySQL), MongoDB, Couchbase
- **Frameworks:** Spring Boot(**RESTful APIs microservices**), **AngularJS**, **J2EE**, Cucumber, Swagger
- **Version Control:** GitHub, Bitbucket, SVN
- **Continuous Integration:** Jenkins, AWS, Docker

Work History

Software Engineer, Vodafone – Pune, India 07/2017 to 08/2019

- Wrote highly distributed, scalable RESTful APIs in Java for Vodafone Identification system that formed core gateway and has won consistent praise from subsequent developers since initial version
- Researched, designed and implemented scalable **Blockchain Solution** to achieve the highest level of authentication using Block chain utilizing RabbitMQ for asynchronous messaging
- Implemented micro service architecture using RESTful API's to remove server-side state synchronization logic
- Implemented automated testing framework in Cucumber for functional testing system that boosted testing case execution by 80%
- Resolved Production level technological issues for assigned projects, increasing customer satisfaction to 100%
- Assisted in Implementation of CI/CD which resulted in mitigation of risks associated with updating code in large infrequent releases along
- Collaborated in agile team with UI/UX designers, Product owners and architects and enhanced User Interface utilizing Design thinking approach and provided inputs whenever found any issues.

Software Engineering Intern, Atos Syntel - FedEx Logistics – Pune, India 12/2016 to 02/2017

- Collaborated with developers and designers to reduce time complexity and identify performance bottlenecks
- Applied Test Driven Development techniques, to mitigate recognized major issues in regression testing and bolstering efficiency by 80%
- Strengthened code quality to 100% by introducing SonarQube open source code quality platform
- Planned and developed appointed project using Java and JavaScript that simplified overall management and offered ease-of-use following agile development process

Ongoing Volunteer Project

Software Engineer, Frugal Innovation Hub | Santa Clara, California 10/2019 to Present

- Doing Research and development of mission critical real time application with mission to support individual first respondent and humanitarian disaster relief in their efforts to save lives
- Developing performance optimized Back-end Services using Spring Boot for android SDK which will result in minimal response time for every Incident rectification

Academic Projects

Software Engineer – Secured and Optimized Warehouse Management – 03/2018 to 04/2019

- Completed a Volunteer Project for Textile Industry in India and Implemented web-based Authentication System which uses One Time Pin for verification of customer to pick up load from warehouse and used NOSQL database to keep authorization history
- Implementation of Authentication System resulted in overall 70% reduction in Fraudulent transactions and was recognized as part of digital transformation in India

Software Engineer – Personalized Product Recommendation Engine – 06/2016 to 06/2017

- Completed undergrad project based on research, and managed the implementation of hybrid recommendation algorithms, providing precise recommendation to customers of the shopping mall
- Formed hybrid algorithm for recommendation which worked on 50% less data and more accurate recommendations resulting in Best Project Award at University under Innovation in Data Mining Projects

Accomplishments

- Oracle Certified Associate Java Software Engineer - I
- Quarterly Star Performer Award, Vodafone, Dec 2018