
GHANASHRI MARIYANNA

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EDUCATION

San Jose State University, Charles W. Davidson School of Engineering.

Master of Science in Computer Software Engineering

San Jose, CA, USA

Expected May 2023

Relevant Coursework: Design Patterns, Enterprise Software Platforms, Enterprise Distributed Systems

Visvesvaraya Technological University, GSSSIETW

Bachelor of Engineering in Computer Science and Engineering

Mysuru, India

Relevant Coursework: Data Structure, Analysis and Design of Algorithms, Object-Oriented Programming, Database Management Systems, Web Technology

GPA: 3.69 / 4

August 2013 – June 2017

PROFESSIONAL EXPERIENCE

Capgemini Engineering (formerly Altran)

Bengaluru, India

Software Engineer - Responsibilities

October 2017 – March 2021

- Translating business requirements into technical specifications and working in a team to manage project priorities and timelines.
- Creating user interfaces, framework components, database queries and back-end scripts to support full-featured and styled web applications
- Providing project progress reports to project team, stakeholders and management.
- Unit testing the modules and maintaining documentation for client applications.
- Performing regular peer code reviews to ensure all projects are built optimally and are defect free.
- Implemented features like Dashboard, Repossession, schedule management pages in IoT telematics applications for calAmp client.
- Recommended modifications to processes and procedures, and contributed to best practices, architecture, and implementations.
- Restructured existing legacy code into modular code by removing all deprecated react life cycle methods and by converting class components to functional components.
- Participate in the evaluation and resolution of defect ticket reports for new as well as legacy components

TECHNICAL PROFICIENCY

- **Programming Languages:** JavaScript (Proficient), C, Python (Familiarity).
- **Database:** MySQL, MongoDB.
- **Web Technologies:** HTML, CSS3, ES6, Bootstrap, React JS, Redux, Material UI, NodeJS, Express.
- **Software Model:** Agile, Scrum
- **Tools:** Visual Studio, GIT, Docker, AWS Postman.
- **Frameworks:** React JS, REST API, JMeter, Mocha.

ACADEMIC PROJECTS AND CERTIFICATIONS

- ***Uber-eats web application*** (MySQL | ReactJS | Redux | JWT | HTML | CSS | NodeJS | Express | MongoDB | Kafka)
 - a) Designed and developed a highly scalable, distributed, secured, interactive and responsive web application using MERN stack and Apache Kafka. Enabled connection pooling for faster server responses and compared performances of SQL, MongoDB and Kafka through load tests using JMeter.
 - b) Leveraged AWS S3 bucket for image storage and EC2 instance for hosting and [AWS RDS](#) for MySQL.
- ***Indeed prototype*** (MERN | Kafka | Redis | MongoDB | SQL) – 3 tier distributed application for job search.
 - a) Designed the system architecture and developed the application end-to-end and deployed on AWS EC2 with load balancers and tested system with 10k job reviews.
 - b) Embedded Redis Cache and dedicated S3 image server to increase system performance by 75%.
- Participated in the 24 hour long, **Altran Hackathon (HACK100-V)** and won the competition with the coveted title of **Extraordinaire** (Bangalore region) for our idea. - July 2019
- **Java Training:** A nine-week-long induction training on Java technologies as part of the Nalanda Training program, Altran (Erstwhile Aricent).

INVOLVEMENTS - Volunteering and Social Work

- Participated in an indoor planter activity organized and coordinated by ConnectFor, to recycle old Newspapers and plastic bottles with a chance to reduce plastic waste by creating paper pens with seeds in them that grow into trees.
- Volunteered with Altran CSR team (ARISE program, envisioned to empower through scalable high-quality engineering/digital education) by participating in the knowledge contribution for the beneficiaries (students of tier II and tier III Engineering colleges) being catered through multiple programmatic threads.