KISHAN PATEL

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Education

Dalhousie University   Jan 2021 - May 2022
Master of Applied Computer Science (MACS)   *Halifax, Canada*

Charotar University of Science and Technology   Aug 2016 - May 2020
Bachelors of Technology (B.Tech) in Computer Engineering   *Anand, India*

Projects

Halifax Foodies | *Python, Node.js, React.js, AWS, GCP, Docker* | Github
- Created a multi-cloud food ordering web application using **React.js** with RESTful APIs in **Node.js** and deployed it on GCP Cloud Run as a containerized application using Docker.
- Used AWS Lambda with AWS API Gateway and GCP Cloud Functions to connect the two clouds for backend.
- Combined AWS Lex and GCP Pub/Sub in a single chat room to get a response from chatbots and have a chat with a human at a same place.

My Cloud Gallery | *React.js, Node.js, AWS* | Github
- Developed a photo gallery web application that let users to store and share images, generate expirable links for shared images using **React.js** and **Node.js.**
- Used AWS Lambda with AWS API endpoint to access one of the modules remotely, AWS Simple Notification Service (SNS) for implementing SMS module, AWS S3 for storing images, AWS RDS for database, and Elastic Beanstalk for deploying the application.

Ludo Game | *Java, Spring MVC, JSP, MySQL* | Github
- Planned and developed a multiplayer web-based Ludo game following Agile methodology using Spring MVC and JSP which allows up to 4 players to play on a single board and compete with a computer player.
- Implemented design patterns, covered 80% of code by designed unit tests using JUnit following TDD approach.
- Maintained CI/CD by build, test and deploy pipelines using Gitlab for the application deployment on Heroku.

Work Experience

Tulip   Jan 2022 – Apr 2022
Software Developer Intern   *Kitchener, Ontario*
- Worked with an Agile Ecommerce development team to develop and integrate the Tulip platform with the retail systems of world-class brands.
- Developed and optimized RESTful APIs in support of product warehouse management using PHP and Python.
- Used Jira tickets to communicate with clients about bugs and requirements for new features.
- Enhanced the performance of existing features and added new functionality in frontend using **React.js** and JS.
- Redesigned MySQL queries to reduce PHP code, resulting in a 30% reduction in query calls and a 40% reduction in report generation time.

ITLion   May 2020 – Dec 2020
Junior Android Developer   *Ahmedabad, India*
- Improved the performance of an android application using enhanced OOPs concepts in Java, resulting in a 20% reduction in size and 80% reduction in run-time failures as measured by Firebase Crashlytics.
- Customized the significant UI components in XML based on stakeholders' suggestions and added multi-language support that achieved 88% positive feedbacks.
- Analyzed single handedly the codebase of the company's legacy products for potential memory leaks using LeakCanary, performance issues and compatibility issues and prepared a bug report.
- Accomplished over 1 million active users on the application in the peak time after launching the update.

Technical Skills

Languages: Java, Python, PHP, C++
Technologies/Frameworks/Libraries: Node.js, React.js, Express.js, HTML/CSS/JavaScript, Spring MVC, Spring Boot, Flask, GitLab, Docker, Junit, Jira, CI/CD, Power BI, IBM Cognos, Native Android, Selenium
Database: MySQL, SQL Server, MongoDB, DynamoDB, Redis
Other: Data structures, Algorithms, Test-Driven Development, Design Patterns, Refactoring Techniques