Madhuvanthi Hemanathan

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Summary

A passionate and self-taught full-stack developer with 2.3 years of industry experience in Javascript technologies. Developed web applications in Agile-driven environments. Flexible developer and can quickly learn and adapt to new technologies.

Technical Skills

Programming Languages: JavaScript(ES5 & ES6), TypeScript, Java, HTML5, CSS, Prolog, SCSS, C++, C.
Frameworks/Plugins: NodeJS, ExpressJS, Angular, JUnit, TypeORM, Jasmine, Karma, JPL, AngularJS, ReactJS, RxJS.
Databases: MySQL, SQLite, MongoDB, Firebase, Firestore, DynamoDB, PouchDB.
Tools: Github, GitLab, Bitbucket, Asana, Jira, VS Code, IntelliJ, SonarQube/Sonargraph, Latex, Javadoc, Invision.

Experience - Full Stack/Front End Developer

Software Developer - (Front End), CES IT Private Limited   Jan 2020 - Dec 2020

- Individually developed portfolio websites for dental organizations across clients' places with top-notch quality using HTML/CSS/JS.
- Closely worked with UI/UX team, and built responsive websites using SASS oriented frameworks to provide best user experience.
- Took ownership of every task and provided clear estimates. Improved performance/ page speed of several existing sites by fixing issues concerning standards. Provided production support. Developed a Webpack boilerplate to migrate sites from gulp boilerplate.
- Handled client meetings, gathered requirements and documented the same for future reference. Provided zero tolerance testing for the site before production delivery. Trained new peers on the framework.

Software Developer - (Full Stack), CES IT Private Limited   Oct 2019 - Jan 2020

- Developed a storage application similar to google drive to store internal files of the company using Firebase.
- Provided project estimates and task splits using Bitbucket, after brainstorming and requirement gathering with peers.
- Developed an interactive application to manage the company's daily internal activities in an efficient manner using Angular.
- Managed a team of 4 members. Maintained project tasks in Zoho projects. Implemented backend using AWS serverless.

Junior Software Developer - (MEAN Stack), CES IT Private Limited   Sept 2018 - Sept 2019

- Provided mobile solution along with web application using MEAN stack + ionicJS for an online-offline healthcare application.
- Automated the repeated DB tasks by creating CRON scripts. Fixed Production Issues and Documented Root Cause Analysis.
- Improvised the performance of existing codes (like building queries with dynamic fields). Developed a prototype to migrate the existing application from ionic 1 to ionic 4. Worked with an agile driven team. Contributed in both Front-end and Back-end tasks.
- Improved reliability of the code by unit testing every feature of the application using Jasmine/Karma before deployment.

Education

Master of Applied Computer Science - Concordia University, Montreal, Canada   **GPA: 3.36/4.3**
Courses: Algorithm Design Techniques, Advanced Programming Practices, Data-Structures   Jan 2021 - Aug 2022

BE-Computer Science and Engineering - R.M.D Engineering College, Chennai, India   **GPA: 8.89/10**
Aug 2014 - April 2018

Personal Projects

Warzone Game
A strategy based game to conquer a given map between multiple players built using Java and design patterns.

Quick Order App
MEAN Stack based web application for customers coming to the hotels to place/update/delete/track/pay order from their tables.

Vaccination Management System
An angular application to schedule/update/delete vaccination slots based on vaccine availabilities.

Wordle Game
A Javascript based web application with interactive user interface for famous word guess game.

My Tasks
A react based web application to keep track of daily tasks. Authentication done for the users using firebase OAuth.

Achievements / Publications / Technical Presentations

- Food Depot and Transport Control Angular Application - Smart India Hackathon - 2018 - Winner
- Published a research paper on a Java based application - [Counterfeit Activity Detection/Restriction System](#).
- Conducted a technical seminar on Web Components and a technical presentation on CSS Frameworks like Tailwind/Bulma.