Madhuvanthi Hemanathan

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Technical Skills

Programming Languages: JavaScript, TypeScript, Java, HTML5, CSS, Prolog, SCSS.
Frameworks/Plugins: NodeJS, Express JS, Angular, JUnit, TypeORM, Jasmine, Karma, JPL, Bootstrap.
Databases: MySQL, SQLite, MongoDB, Firebase, Firestore, DynamoDB, PouchDB.
Tools: Github, GitLab, Bitbucket, Asana, Jira, VS Code, IntelliJ, SonarQube/Sonargraph, Latex, Javadoc, Invision.

Experience

Front End Developer, 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.

Full Stack Developer - (Firebase), CES IT Private Limited   Dec 2019 - Jan 2020

- Developed a storage application similar to google drive to store internal files of the company.
- Provided project estimates and task splits using Bitbucket, after brainstorming and requirement gathering with peers.

Full Stack Developer - (Angular + AWS Serverless), CES IT Private Limited   Oct 2019 - Dec 2019

- 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.

Full Stack 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

Food Depot and Transport Control - Smart India Hackathon - 2018 - Runner
An Angular based web application for Truck management in Food Depot between different checkposts using QR code.

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 availabilies.

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

Real-time Whiteboard
Multiple users can connect and use whiteboard(developed using angular and firebase) to showcase ideas, diagrams etc., simultaneously.

Publications and Technical Presentations

- Published a research paper on a Java based application - Counterfeit Activity Detection/Restriction System.
- Conducted a technical seminar for blooming front-end developers and presented about Web Components.
- Delivered a technical presentation on comparison between CSS Frameworks like Tailwind/Bulma.