AVIKA LOHANY

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TECHNICAL SKILLS

Programming Languages: Javascript (ES6), Java11, Objective C, jQuery, HTML5, HTML, CSS, CSS3

Frameworks/Libraries: React JS, Vue JS, SASS Preprocessor, Bootstrap 3, Bootstrap 4

Databases: Relational Database (MySQL) and CSV (comma separated values)

IDE: Visual Studio Code, IntelliJ

CMS: Wordpress, Wix

Version Control Management: Git, Github, Bitbucket

Other Tools: REST API, Google Firebase, Agile Methodologies, Linux, Netlify, Insomnia, Jira, Postman

WORK EXPERIENCE

Frontend Developer (Volunteer)   **Building-U, Canada**   03/2023 – Present
Technology Stack: React • Javascript • HTML • CSS • Bitbucket • Bootstrap • Jira • Wordpress • Git

- Collaborated with the UI/UX design team to translate visual designs into functional web pages ensuring a seamless user experience across different devices and browsers.
- Developed and implemented responsive and user-friendly web interfaces using html, CSS, and JavaScript, adhering to modern web standards and best practices.
- Collaborated with cross-functional teams, including designers, developers, and project managers, to effectively communicate project requirements, provide input on technical feasibility, and deliver projects within established timelines.
- Actively participated in code reviews and provided constructive feedback to team members, promoting code quality, maintainability, and adherence to coding standards.

Frontend Developer   **Freelance, Canada**   02/2022 – Present
Technology Stack: Wix • Javascript • HTML • CSS • PHP • Git

- Developed custom themes and plugins for content management systems using Wix and built and maintained websites using HTML, CSS, JavaScript, and PHP.
- Collaborated with clients to identify and understand their needs and goals, and provided recommendations to improve their web presence throughout the project lifecycle.
- Participated in creative briefs and brainstorms with Beet, an agency based in Quebec City, to develop, produce and deploy front end projects.

Frontend Developer Intern   **Eduplan Solutions, Canada**   05/2021 – 08/2021
Technology Stack: React • Javascript • HTML • CSS • Bitbucket • Bootstrap • Jira • CMS

- Coordinated with UI/UX design team and Senior Developers at Eduplan Solutions to create, update and maintain several front end features for their web applications.
- Implemented use of HTML5, CSS3 (Bootstrap Library) and React JS (Javascript framework) to create multiple web pages for their web applications with a responsive mobile-first approach
- Assisted in front end development of the Eduplan company website through custom programming using HTML, CSS and vanilla Javascript on Wix.
- Participated in the technical feasibility analysis and evaluation of incoming projects until project deployment on Netlify, while incorporating Agile/Scrum methodologies.

Junior Software Developer   **Saankhya Labs Pvt. Ltd, India**   08/2017 - 06/2018
Technology Stack: Embedded C • MySQL • Linux Kernel • Git • HTML • CSS • Vanilla Javascript

- Designed, developed and implemented algorithms using embedded C language on Linux with MySQL database for the Unmanned Level Crossing (UMLC) project using the STM32F4 MCU.
- Created web-based interfaces using HTML, CSS, and JavaScript to enable monitoring and control of the UMLC system and providing users with browser-based access to the system.
- Designed and implemented backend algorithms in embedded C language for the GPS unit of the UMLC project, conducting real-time location tests in a Linux environment.

- Developed and designed backend algorithms for the GPS unit of the UMLC project using C programming and tested the algorithm using real time location test cases in Linux environment.
- Documented the product development throughout the SDLC while performing troubleshooting and debugging activities, and documenting bug fixes in knowledge base.

Software Developer Intern **National Aerospace Laboratory (NAL), India** 05/2016 - 08/2016
Technology Stack: Embedded C • MySQL • Linux Kernel • Assembly Language • Git

- Collaborated with senior software engineers in the calibrations and software integration of the ADAHRS sensor system on the Saras aircraft, India's first Light Transport Aircraft (LTA).
- Developed and designed an algorithm to calculate parity check for backend of incoming messages to the ADAHRS system using C programming.
- Prepared technical documents for the ADAHRS sensor system.

PROJECTS

Fitness Tracker **Github**: github.com/avikalohany99/Fitness-Tracker
Technology Stack: React JS • HTML5 • CSS3 • Bootstrap • Node JS • Express JS • MongoDB • Git

- Created a full stack multi-page fitness tracking application allowing users to keep a log of one's exercises or workouts including the description, duration and the date of the exercise.
- Implemented ReactRouter to handle dynamic routes with Axios library to make HTTP requests.

Turnout Event Sharing Application **Github:** github.com/avikalohany99/Vue_Turnout
Technology Stack: Vue JS • Google Firebase • HTML5 • CSS3 • Bootstrap

- Developed a social event sharing multi-page application allowing users to create an account or sign in and post social events in real time or schedule meetings or post about upcoming activities.
- Implemented Google Firebase authentication for signing in or signing up to the application.
- Incorporated VueRouter to maintain and handle dynamic routes of multiple pages.

TV Show Advisor **Github**: github.com/avikalohany99/show-advisor
Technology Stack: React JS • HTML5 • CSS3 • Bootstrap • Git

- Developed a multi-page React application which provides users with a list of shows including the show description and rating, and also includes search bar for users to manually search for a show.
- Implemented React Hooks and ReactRouter to handle dynamic routes.

EDUCATION

Master of Engineering in Electrical and Computer Engineering 01/2020 – 01/2022
Concordia University, Montreal, Quebec

Bachelor of Engineering in Instrumentation Technology 08/2013 – 08/2017
MS Ramaiah Institute of Technology, Bangalore, India