Sneha Mahajan

FULL-STACK WEB DEVELOPER

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☎ 905-867-8896   LinkedIn Profile in

SUMMARY

A life-long engineer and full-stack web developer with strong analytical and problem-solving skills. I have a background in automation and electrical engineering. Web development started as a way to sell my art a few years ago and I have continued to learn more and practice these skills ever since.

I will thrive in a team environment where learning and collaboration is valued. I am keen to master the latest web development tools and technologies and help others in my team grow with me.

💻 Portfolio

 GitHub Profile

SKILLS

Frontend
- ReactJS
- JavaScript
- HTML5, CSS3
- SASS, Bootstrap
- jQuery

Backend
- SQL / PostgreSQL
- NoSQL / MongoDB
- Mongoose
- NodeJS / Express
- Ruby / Ruby on Rails

Miscellaneous
- Git / GitHub
- WebAPIs / Postman
- AJAX / Axios
- Microsoft Office
- Strong Client Relationships
- Technical Documentation
- Customer Service

PROJECTS

WeHike   Link 🔗
What   Plan or join hiking events within your local community
How
- Created hiking route visuals with Google Maps API
- Improved code readability by utilizing 25 reusable React components
- Designed robust server API routes to interface with cloud based PostgreSQL database

Stack   React, Google Maps API, Axios, Node, Express, Postman, PostgreSQL

Interview Scheduler   Link 🔗
What   Schedule and track interviews for the week
How
- Employed test-driven development approach to improve error handling and user experience
- Learned advantages of component-based UI design

Stack   React, SASS, Axios, Node, Express, PostgreSQL, Cypress, Storybook

Colourly   Link 🔗
What   See trending colour palettes, save favourites and create your own palettes. Inspired by the Coolers tool.
How
- Designed server and database end with CRUD functionality
- EJS templates were used on the front end.

Stack   HTML, CSS, JavaScript, jQuery, AJAX, Node, Express, PostgreSQL

EXPERIENCE

Sr. Application Specialist   2019 - Present

Nord Gear Limited - Toronto, ON   Link 🔗

- Subject matter expert (SME) for specialized electronic devices like drives, encoders, logic controllers
- Evaluated device features and limitations to improve technical support across 6 product lines
- Gained 6 customers by delivering custom solutions in collaboration with Nord's global subsidiaries
- Enhanced relationships with over 30 customers through programming assistance and trainings
- Designed an electronics lab space for conducting application testing and customer trainings

EDUCATION

Diploma in Full Stack Web Development
Lighthouse Labs
Toronto, ON, CA

MS in Electrical Engineering
Missouri University of Science and Technology
Rolla, MO, USA

BS in Electronics and Telecommunications Engineering
University of Pune
MH, India

CERTIFICATIONS

Front End Development Libraries
freeCodeCamp
React, Bootstrap, Redux, jQuery, SASS

Back End Development and APIs
freeCodeCamp
NPM, Node, Express, MongoDB, Mongoose

JavaScript Algorithms and Data Structures
freeCodeCamp
JavaScript, Data Structures, Algorithms, Object Oriented Programming

Responsive Web Design
freeCodeCamp
HTML, CSS, Forms, FlexBox, Grids, Web Accessibility, Responsive Web Design

HTML, CSS and JavaScript for Web Developers
Coursera / John Hopkins University
Git, HTML, CSS and JavaScript

EXPERIENCE

Lead Application Engineer   2016 - 2019
Nord Gear Corporation - Madison, WI   Link 🔗

- Simplified product integration by developing reusable program templates for programmable logic controllers and human machine interfaces
- Engineered a system to record critical IOT data over ethernet at a rate of 3 datasets/sec via PowerShell scripting and logic controllers
- Mentored our team of 3 to gradually improve programming knowledge and support capabilities
- Trained over 60 teams on product usage and electronic assembly for seamless product adoption
- Reduced system complexity and energy consumption by learning unique customer requirements and designing custom solutions

Automation Engineer   2013 - 2016
Regal Rexnord - Beloit, WI   Link 🔗

- Performed cost benefit analysis for critical business investments in automating tedious processes
- Decreased process costs by $90k/year by programming a robot to automate machining
- Played key role in $1M project to reduce motor manufacturing costs by approx. $300k/year

Commissioning Engineer   2013 - 2013
Honeywell | Intelligrated - St. Louis, MO   Link 🔗

- Programmed logic controllers to integrate 5 automation systems at sites across USA and Canada
- Collaborated with project leads on system commissioning tasks
- Trained customers on operation and maintenance of automated equipment

ACADEMIC RESEARCH

Research Assistant   2010 - 2012
Computerized Medical Imaging Lab - Rolla, MO   Link 🔗

- Modelled statistical data for classification of skin lesion images
- Developed a pattern recognition algorithm in Matlab to detect benign lesions with 90% accuracy
- Co-authored 2 research papers

OTHER INTERESTS

- Making art , Photography, Hiking
- Volunteering to improve accessibility to art
- Blogging about creativity