

Mehtab Randhawa

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Education

University of California Davis — BS, Computer Science 2020

Profile

Recent college graduate that is looking for a development role in either front-end or back-end development. Candidate has firsthand experience in Full-Stack web development & is currently working as a freelance web developer. Applicant has a vast technical background in imperative programming, solid comprehension of object-oriented programming, and knowledge of optimizing applications with data structures.

Skills

Skill sets on the backend include full comprehension of developing micro services, integrating third-party APIs, designing data tables, and writing HTTP request in Node.JS. Front-end experience is comprised of developing applications in either React.JS, HTML, and Angular.JS. Have a fast turnaround in enhancing any frontend application with bootstrap, and can develop applications for any screen resolution with CSS. Can deploy applications to popular cloud providers as well as push code to git repositories. Hands-on experience has instilled discipline to develop applications in an Agile framework and how to collaborate with development teams.

- **Proficient Languages:** JavaScript, Python, Java, Swift & C++
- **Frontend Frameworks:** HTML5, CSS, React.js, & Angular.js
- **Backend Frameworks:** Node.JS, Django, & Swift
- **Databases:** SQL (sqlite3), MS SQL Server, & NoSQL (Mongo DB)
- **Cloud Deployments:** Heroku, AWS, IBM Bluemix, Github

Experience

Summer Internship as Full-Stack Developer at boons.io – 05/2019 – 08/2019

Boons.io is trying to revolutionize ride-sharing & delivery by comparing fares between Uber and Lyft. Their application is built on a MongoDB, Hapi.JS, Angular.JS, and Node.JS stack. This internship was significant in developing fundamentals skills in full-stack development and working in agile. Responsibilities consisted of:

- Integrating and updating Uber and Lyft's third-party APIs
- Writing RESTful APIs that provide CRUD operations with Hapi.JS's micro-services
- Designing data models for MongoDB with Mongoose node module
- Developing front-end webpages in Angular.JS that communicated with server-side APIs
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Winter Internship as Data Science Intern at Zira Solutions – 06/2018 – 07/2018

Worked as a consultant for Zira to analyze their client's online presence with Twitter. All development was completed in Python and all data was reported in a report using Atlassian. Responsibilities consisted of:

- Integrate Twitter's Third-party API
- Utilized Panda library to put data into data frames and employed Matplotlib package to visualize data
- Utilizing Keras packages to utilize a neural network to do linear regressions

Projects

Scheduler Micro-Service, Node.js/Angular.js

Designed a micro-service for boons.io to help schedule any pending orders with their driver's schedules. Designed data table for the micro-service in MongoDB, and wrote a variety of HTTP request that provided CRUD operations on the micro-service's data table. Deployed the micro-service to POC and ran multiple test cases to confirm proper functionality. The development team eventually took this micro-service applied a CRON job to and deployed it into production.

Zira Solution Corporate Website, React.JS

The objective was to redesign Zira Solution's company website from HTML into React.JS. The application renderings were first designed in Figma, and with client feedback the UI was decided. Wrote in React.JS with JSX, and applied bootstrap to enhance the web application. Provided CSS to allow rendering on variety of screen resolutions. The project was deployed utilizing Heroku, and can be viewed at <http://www.zirasolutions.com/>

Yearbook Project, Node.js/React.JS

Worked with UC Davis students to design a yearbook application for UC Davis Class of 2020. The feed was designed in React.JS and allows user to filter post by their college, gender, and major. Contributed to the project by designed the backend and integrated Google's third-party passport API to allow student to sign up with ucdavis.edu domain. Was in-charge of creating users' session and utilized SQLITE3 database to include user functionality to post bios of themselves.