AMJAD AL-OMAR

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EDUCATION

Bachelor of Science in Mathematics-Computer Science, University of California, San Diego, CA (June 2022)

Courses: Advanced Data Structures, Object-Oriented Design, Design and Analysis of Algorithms, Theory of Computability, Linear Algebra, Enumerative Combinatorics, Software Engineering, Numerical Analysis, Operating Systems, Numerical Analysis, Modern Algebra, Programming Languages

Languages & Tools: Java, C/C++, Swift, HTML, CSS, Javascript, React, Git, Gradle, Kotlin, Mongo, Unix, Node, Express

RELATED EXPERIENCE

DevilDishes, San Diego, CA (September 2021 – December 2021)
Team Leader/Backend Engineer
- Lead team of 10 software developers in designing, task delegation, QA testing, and server-side implementation.
- Scheduled and organized all team meetings, daily standups, and sprint management
- Developed RESTful full stack web application where users can create and view recipes using Node and Express.
- Implemented MongoDB infrastructure using Spoonacular API with 5000+ recipes and users.
- Created CI/CD build pipeline and deployed using MongoDB Atlas and Netlify.

YelpCamp, San Diego, CA (July 2021 – September 2021)
- Built a fully functioning, full-stack web application where users can submit and review campgrounds.
- Designed and implemented RESTful API and MVC patterns using Node and Express.
- Implemented MongoDB infrastructure to store users, campgrounds, reviews, and other relevant information.
- Utilized CRUD API endpoints and deployed using MongoDB Atlas and Heroku.

Duoserve Inc. 2020, San Diego, CA (May 2020 – June 2021)
Software Engineering Intern
- Aided in CI/CD of calendar-based enterprise management application on iOS and Android for 2000+ companies.
- Created reusable generic base frameworks that will be incorporated into other future apps within the company.
- Fully constructed mock database and unit tested CRUD functionality on the user side for the entire application.
- Enhanced base application with layered error handling functionality.
- Assisted in implementing a gRPC backend and connected to MySQL database with over 10000+ appointments.
- Designed and fully constructed 5+ recurring screens and programmed settings, recurring appointments, and client/client list screens and their functionality

EZ Study, San Diego, CA (October 2019)
SD Hacks 2020
- Created a full-stack web application to help students study for their exams by visually parsing student notes and providing study resources based on key terms extracted by AWS Textract.
- Designed an interactive front-end with React, a RESTful back-end for image processing with Node.js and Express, and a database with MongoDB for storing study resources given to users matching their notes.

ADDITIONAL EXPERIENCE

UCSD Office for Students with Disabilities, San Diego, CA (September 2018 – Present)
Office Assistant/Office Clerk
- Manage 30+ Deaf and Hard of Hearing students' class schedules and accommodations.
- Manage 15+ student workers, organizing new hire training and time shift scheduling.
- Coordinate and schedule ASL interpreters and captioners for faculty events and classes.
- Handle relations with on campus departments and off campus companies.
- Assist in office/reception functions, including answering phones, scheduling, copying, and filing.
- Convert complex academic materials into accessible formats for students with disabilities.
- Represent the OSD at outreach events including orientations and special presentations.