

Joel Anil John

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Education

California State University - Fullerton

Bachelor of Science, Computer Science

Graduation Date: December 2023

GPA: 3.92

Relevant Coursework: Algorithm Engineering, Data Structures, File Structures and Databases, Java Programming, Object Oriented Programming, Operating Systems

Work Experience

California State University - Fullerton

Research Assistant

Fullerton, CA

June 2023 - Present

- Collaborated on faculty research project focused on developing a device for supportive housing residents to enhance independent living and health management
- Contributed to an **Android application** that connected with the devices using **ArduinoBLE** technology
- Designed features in the Android app to assist users in following recipes and receiving medication reminders

Aware, Inc.

Software Engineer Intern

Burlington, MA

June 2022 - December 2022

- Integrated **Amazon S3** with **Spring Boot microservices** to handle customer data using **Java SDK**
- **Developed 5 new API endpoints** to retrieve customer information and set data requirements
- Utilized **HTML** and **JavaScript** to develop a UI application with projected 100+ clients for onboarding processes
- Created 10+ client side rendered web pages using **Document-Object-Model Manipulation**
- Deployed **WAR files** on **Apache Tomcat** servers to develop and test web pages

Research Assistant

June 2019 - August 2019

- Drove data collection for facial recognition algorithms being developed by the research department
- Screened and prepped hundreds of facial images to be used in AI models
- Collaborated with both developers and researchers to ensure consistency throughout all screened images

Projects

Investment Tracker

- Developed a full-stack web application utilizing **React and AWS services** for tracking stock portfolios
- Implemented an intuitive frontend using React enabling users to manage and monitor stock portfolios
- Utilized **AWS API Gateway** to create and manage **RESTful APIs**, enabling seamless communication between the frontend and backend components of the application
- Integrated **AWS Lambda functions**, **AWS Cognito** for user authentication and authorization, and **AWS DynamoDB** for efficient and secure storage of stock portfolio data

Movify

- Web application built with **React** to allow users to search, discover, and create playlists of movies
- Utilized **Google's Firebase** to register and authenticate users.
- Integrated **Firebase Firestore database** to save, update, and retrieve user specific data
- Implemented the user interface using **Tailwind CSS** framework

Portfolio Website

- Built a personal portfolio website with **Angular** to showcase various side projects
- Utilized CSS framework **Bulma** to create user interface and overall aesthetic of the website
- Deployed and hosted the website through **Vercel**

ACM CSUF Websites

- Developed a website using frontend compiler Scelte with a team of 23 contributors for CSUF's ACM chapter
- Streamlined workflow by enhancing a **Discord bot to send Pull Requests and New Issue comments** from GitHub into designated text channels on Discord
- Participated in website maintenance, bug fixes, and implemented new features

Leadership

ACM at CSUF (Association of Computing Machinery)

Board Member

Fullerton, CA

January 2022 - Present

- **Organized workshops** open to all students at California State University, Fullerton
- Conducted interactive demonstrations on tools such as **Python, APIs, GitHub, and frontend technologies**
- **Taught data structures and algorithms** weekly review sessions attended by 70+ students

Technical Skills

- Languages: Java, Python, C++, HTML/CSS, JavaScript, MySQL
- Frameworks: React, Bootstrap, Express.js, Tailwind CSS
- Development Tools: AWS, VS Code, Git, GitHub, Linux Terminal, Eclipse, Apache Tomcat, Node.js, Maven