

# Ali Alibrahimi

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## SUMMARY

As a trilingual full-stack developer and coding instructor, I have a proven track record in creating innovative tech solutions and inspiring young learners. With my expertise in React, Node.js, and other programming concepts I have successfully improved student's performance by designing engaging coding curricula.

Seeking a career as a Full Stack Software Engineer to leverage my skills in developing scalable applications

## EDUCATION

Grand Canyon University, Phoenix, AZ **Expected June 2025**  
**Bachelor of Science in Computer Science** GPA: 3.8/4.0

**Relevant Courses:** Operating System, Machine Learning, Web Development

Mission College, Santa Clara, CA **May 2022**  
**Associate of Arts in Computer Information Systems (CIS)** GPA: 3.7/4.0

**Relevant Courses:** Database Management, Computer Networks & Security, Software Engineering Principles

**Certifications:** Google Cyber Security, Google IT Tech, Google Python

## RELEVANT SKILLS

**Programming Languages:** Java, Python, C#, HTML, CSS, JavaScript/TypeScript, SQL

**Frameworks/Tools:** React.js, Next.js, Node.js, Flask, .NET, Git, Docker, CUDA

**Cloud Platforms:** AWS, Google Cloud Platform (GCP)

**Operating Systems:** Linux, Windows

**Databases:** MySQL, NoSQL

**Languages:** Arabic, English, Spanish

## WORK EXPERIENCE

Code With Us, Campbell, CA **March 2023 - Present**

### Coding Instructor

- Developed a series of microservices using Node.js to automate progress tracking and generate personalized learning paths, integrating with the school's existing LMS via RESTful APIs, Improved 25% in student's Progress
- Architected and implemented an advanced game development curriculum utilizing Pixel Pad and Scratch, incorporating principles of object-oriented programming and event-driven architecture for 30+ students aged 5-12
- Implemented complex coding concepts including recursive algorithms, state management, and asynchronous programming in age-appropriate projects. Students developed practical coding skills, improved problem-solving abilities, and successfully completed real-world applications, preparing them for advanced programming challenges.

The Coder School, Los Gatos, CA

**February 2022 - Present**

### Coding Tutor

- Designed and delivered a comprehensive full-stack development boot camp, covering React, Node.js, and MongoDB, achieving a 95% course completion rate and 30% average performance improvement
- Designed customized learning plans based on student assessments, utilizing personalized pacing and targeted exercises, resulting in a 30% improvement in student performance.
- Implemented an innovative peer code review system using Git hooks and custom linting rules, improving code quality and fostering collaborative learning environments

IMAC, Santa Clara, CA

June 2022 - August 2022

### IT Tech Support

- Engineered and deployed a containerized imaging solution using Docker and Kubernetes, reducing deployment time by 30% and streamlining operations for 50+ organizations including law enforcement agencies.
- Developed Python scripts to automate troubleshooting of hardware and software issues, integrating with ticketing systems via APIs, maintaining a 98% customer satisfaction rate
- Created a custom monitoring solution using ELK stack (Elasticsearch, Logstash, Kibana) to proactively identify and resolve potential system conflicts, reducing downtime by 35%

### RELEVANT PROJECTS

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#### E-commerce Website (React, Node.js, Stripe), San Jose, CA

June 2024

- Developed a full-stack e-commerce platform with features such as user authentication, product catalog, shopping cart, and secure payment processing using Stripe API.
- Integrated a secure, scalable back-end architecture using Node.js and Express, connecting to MongoDB for dynamic product and user data management.
- Implemented responsive design principles using CSS and Material-UI, optimizing for mobile devices and resulting in a 30% increase in mobile user engagement.
- Enhanced performance by optimizing React components, implementing lazy loading, and using React Suspense and Code Splitting, leading to a 40% reduction in load times.

#### Portfolio Website – React, Tailwind CSS, GSAP, San Jose, CA (February 2024)

- Developed a personal portfolio website to showcase projects, technical skills, and coding tutorials, using React for a seamless single-page application (SPA) experience.
- Utilized Tailwind CSS for responsive, mobile-first design and fast UI development, ensuring a consistent and modern visual aesthetic across devices.
- Implemented scroll animations and dynamic content loading with GSAP (GreenSock Animation Platform) and ScrollMagic, providing interactive user experiences and engaging visuals.
- Integrated a blog section with markdown support, allowing for easy content creation and sharing of coding insights and project updates.

#### Expense Tracker Web Application – Flask, SQLAlchemy, JavaScript, San Jose, CA (October 2023)

- Developed a personal expense tracking tool to allow users to categorize expenses, set budgets, and visualize spending patterns over time.
- Designed a REST API using Flask to handle CRUD operations and utilized SQLAlchemy to interact with the PostgreSQL database for persistent data storage.
- Implemented JWT-based user authentication for secure login and registration, ensuring that user data is encrypted and protected.
- Created interactive data visualizations with Chart.js, enabling users to view their spending trends through bar graphs, pie charts, and line charts.
- Deployed the application on Heroku, ensuring scalability and seamless access for users across various platforms.

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### COMMUNITY ENGAGEMENT

Youth Mentor & Event Organizer, Saba Islamic Center, Milpitas, CA