

# Ahmad Afghan

(469) 321-0894 | San Jose, California | US Work Authorized, No Sponsorship Needed

✉ afghan.ahmadmujtaba@gmail.com 📱 /ahmadcr7 🌐 /ahmadafghan 🌐 ahmadafghan.com 📅 Schedule a Call

## EDUCATION

### • San Francisco State University

*Bachelor of Science in Computer Science;*

San Francisco, CA

*Aug. 2018 – May. 2021*

## EXPERIENCE

### Qualitest (Client: Carl Zeiss)

*Software Engineer*

Dublin, CA

*June 2020 - May 2023*

- **Software Development:** Led the design and development of software modules for medical devices, emphasizing real-time performance, efficient memory utilization, and system reliability. Collaborated with hardware teams to ensure seamless integration and optimized interactions across diverse server and data environments.
- **API Development & Cloud Integration:** Developed and integrated APIs for web, mobile, and embedded systems, ensuring smooth data flow and communication. Orchestrated secure data transmission to Azure, emphasizing data integrity and secure communication tailored for varied platforms.
- **Software Enhancement:** Optimized software modules for medical devices, focusing on functional requirements and regulatory standards. Diagnosed and resolved complex software issues using kernel-level debugging, enhancing system performance and reliability.
- **Comprehensive Software Testing:** Designed and executed unit and integration tests using advanced testing frameworks. Simulated various operating conditions to ensure robustness and reliability, streamlining debugging and ensuring high code coverage.
- **CI/CD & Deployment Optimization:** Enhanced the CI/CD pipeline using Azure Pipelines, emphasizing rapid and reliable software deployments. Streamlined firmware deployment and versioning, ensuring consistent updates, backward compatibility, and seamless performance in varied environments.
- **Software Design & Collaboration:** Played a pivotal role in software design and iterative development. Collaborated with cross-functional teams, integrating feedback, refining features, and ensuring alignment with software and hardware requirements.

### Upwork

*Software Engineer - Freelancer*

Remote

*December 2017 - June 2020*

- **Web Development:** Successfully developed dynamic and interactive websites that delivered high traffic, page views, and exceptional user experience, resulting in a 45% boost in clients' sales revenue.
- **Mobile Application Development:** Spearheaded the design, development, and deployment of innovative mobile applications across Android and iOS platforms. Created rich, intuitive user interfaces and optimized performance, leading to a 40% increase in user engagement.
- **Responsive Design:** Implemented responsive design techniques and integrated third-party APIs and services to enhance functionality and improve user experience, resulting in an average of 30% increase in user engagement.
- **Team Collaboration:** Leveraged strong communication and collaboration skills while working with developers and designers on cross-functional features. Actively participated in code reviews, and maintained existing web applications for compatibility with new technologies and security updates.

## Projects

- **CodeStreak:** A Google Chrome extension destined to seamlessly push LeetCode solutions to GitHub repository.
- **SFSU Market:** Led a team to build a e-commerce application using React, Express, MySQL to buy and sell items.
- **Car Dealership Database:** Designed and implemented a complete inventory database using MySQL, Python.

## Programming Skills

- **</> Programming Languages:** Python, C/C++, JavaScript, SQL, TypeScript, Golang
- **🖥️ Front-end:** React, Redux, Bootstrap, HTML, CSS, Angular, Vue.js
- **📁 Back-end:** Node.js, Express.js, MySQL, MongoDB, Django, RESTful API development, GraphQL
- **✅ Automation/Testing:** Selenium, WebdriverIO, Cypress, Postman, Jest, Mocha, BrowserStack
- **🔧 Tools:** Kubernetes, Linux, Docker, Git, Jenkins, Terraform, Firebase, Jira
- **🖱️ Operating Systems:** Windows, Ubuntu, macOS, Kernel
- **☁️ Cloud Services:** AWS (Lambda, CloudFormation, S3, EC2, RDS, DynamoDB), Azure DevOps, GCP

## Certification

- **AWS Certified Developer - Associate:** AWS
- **Product Management Professional Certificate:** LinkedIn
- **Technical Product Management:** LinkedIn