

Ahmed (VisualPlugin) Abo-Shadi

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I'm seeking a full- or part-time position in Orange County, California. I can work remotely or in-person. My objective is to work for a software company which promotes social good and nurtures coöperative relationships!

Technical Skills

- MySQL; MongoDB
- Hands-on IT Experience
- API Design
- Network Configuration
- Python; PHP; Node.js
- Collaboration and Cross-team Communication
- Version Control
- Bash/Powershell Automation
- Microsoft Systems
- HTML5/CSS3
- MongoDB
- Docker Compose
- TCP/IP Protocols

Education

California State University, Fullerton

prospective

- Pursuing a MS in Computer Engineering
- Investing in a stronger emphasis in computer hardware

University of California, Irvine

March 2024

- Completed a BS in Software Engineering with a GPA of 3.671
- Enrolled at the school of Informatics & Computer Science
- Participated at ACM; devised and presented solutions for LeetCode problems
- Started course track for an MSE in Computer Engineering at CSUF

Santiago Canyon College

May 2020

- Majored in Computer Science; graduated with an AA in Liberal Arts
- Re-took courses in data structures; enrolled in STEM Academy
- Earned a 4.0 GPA for major-related courses

Projects

Röblox Freedom Distribution is a streamlined culmination of research to allow users to host and join Röblox servers in a local- or wide-area network.

Jul 2023 - current

- Designed and deployed cross-platform network configurations to optimize client-server connectivity
- Conducted diagnostic programs to monitor server performance and address network issues
- Troubleshoot technical problems for warehouse-style multi-user environments in a LAN/WAN configuration

Webhooky was a lightweight, database-driven webhook proxy for Röblox games interacting with Discord's webhook API.

Feb 2018 - Sep 2019

- Developed webhook integrations and API notifications to safely transfer data between multiple platforms
- Created a backend framework optimized for high database performance using SQL (MySQL), PHP, and RESTful APIs
- Designed and tested systems for real-time communication and integration error debugging

Tubeup is a project I reviewed and contributed code to re-upload videos from a YouTube channel to the Internet Archive.

Aug 2023

- Debugged network-interaction code related to video payload delivery, ensuring fault-tolerant operations
- Built Python tools to enhance compatibility across cloud-hosted infrastructure
- Contributed fixes toward optimizing file transfer protocols and video metadata archiving

Röblox Script Executor was a command-line interface facilitating script execution on Röblox.

- Built T-SQL scripts for managing and organizing large-scale database parameters
- Automated the execution of customizable CLI workflows for server operators across remote APIs
- Developed operational tooling to streamline backend command operations and debugging efforts

GoAnimate Wrapper is a locally-hosted project with product features to interop with Vyond's Legacy Video Maker. With a team of community experts, Wrapper became a significant full-stack web infrastructure project.

- Designed backend tools to improve fault-tolerant server processes for ground-up troubleshooting
- Provided user-facing logging systems for both network events and asset generation pipelines
- Conducted performance metrics and led implementation updates for continuous system improvement

Jul 2022 - May 2023

Dec 2019 - Nov 2020

Work/Community Experience

Front-end Developer at Gameln a tool to match e-sports streamers and financial sponsors

- Implemented mobile-responsive pages using Next.js (and thus React) from existing mockups, enhancing user experience.
- Collaborated directly with developers and C-suite personnel to gather requirements and ensure alignment with business objectives.
- Contributed to building and presenting a team-wide slide deck in Google Slides, utilizing Figma for design consistency.

Sep 2023 - Mar 2024

Contracted Graphic Designer @ Islamic Institute of Orange County et al.

- Advertised social events with non-profits, e.g. Islamic Institute of Orange County and Sabil USA, utilizing data-driven design strategies.
- Designed real-estate marketing materials for Berkshire Hathaway agents, focusing on effective communication of key messages.
- Commissioned to design over 20 event fliers for non-profit organizations, ensuring alignment with branding and audience engagement.

Apr 2016/Present

Internship @ CSU Fullerton under the Val Tech Program

- Assisted in the development of a brain-computer interface with graduate students, applying analytical skills to support research objectives.
- Designed user interface for mock-up calibration procedure, enhancing usability and user experience.
- Project coordinated by Professor Kiran George, PhD, fostering collaboration and communication skills.

Sep 2017/May 2018

Professional Engineering Course Center (on call)

- Consulted in provisioning GNU/Linux file servers for office use using Ubuntu and Samba, enhancing data management capabilities.
- Assisted in architectural and structural design plans of commercial and industrial sites, applying analytical thinking to design challenges.

Jun 2015 - Present

Raising Cane's; El Pollo Loco (customer service, part-time)

- Effectively communicated with customers and team members in a fast-paced environment, enhancing customer satisfaction.
- Assumed different roles within the restaurant to support overall operations, demonstrating flexibility and teamwork.
- Handled cash transactions and utilized point-of-sale systems, ensuring accurate financial reporting.
- Addressed customer concerns and resolved issues in a positive and efficient manner, contributing to a positive customer experience.
- Analyzed pricing schemes according to market value, applying basic data analysis skills to support business decisions.

Aug 2019 - Jun 2021

