

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

- Vulnerability Scanning and Analysis Tools
- Network Intrusion Detection
- GNU/Linux Administration
- Python Scripting; Automation
- Public Key Infrastructures
- TCP/IP Networking
- Git; GitHub
- Bash; PowerShell
- Node.js
- MongoDB
- HTML5/CSS3
- Docker Compose

Education

California State University, Fullerton

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

prospective

University of California, Irvine

- 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

March 2024

Santiago Canyon College

- 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

May 2020

Projects

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 fault-tolerant Node.js-based back-end systems, ensuring secure API interactions
- Conducted reverse-engineering research using legacy ActionScript, showcasing skills in complex debugging
- Collaborated with stakeholders to streamline large-scale system workflows and mitigate failures

2019-12 / 2020-11

ScrewDja-YuJa addressed a severe vulnerability in YuJa's API that I identified and reported.

- Identified, tested, and coordinated the release of a high-priority security patch for an API vulnerability
- Used NIST methodology to document vulnerabilities, enabling secure cloud communication
- Collaborated with the security engineering team at YuJa to ensure breach mitigation policies

2022-12

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.

- Designed and deployed a Python-based secure client-server architecture for transport across local and wide-area networks
- Audited system vulnerabilities and implemented processes to comply with standard web security practices
- Conducted periodic security incident assessments and tested threat prevention simulations

2023-07 / current

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

2023-08

<ul style="list-style-type: none"> - Implemented fixes to yt-dlp's Python interface to manage and mitigate asset loss - Addressed challenges in multi-host data routing performance vulnerabilities - Redesigned key areas of the codebase to manage workloads more securely and efficiently 	
<p><u>Webhooky</u> was a lightweight, database-driven webhook proxy for Rōblox games interacting with Discord's webhook API.</p> <ul style="list-style-type: none"> - Designed a high-availability architecture using PHP and MySQL, enabling over 200 developers to securely transfer data - Proactively monitored security breaches and implemented data usage reporting - Installed logging practices and conducted cybersecurity monitoring processes 	2018-02 / 2019-09
<h2>Work/Community Experience</h2>	
<p><u>Front-end Developer at Gameln</u> a tool to match e-sports streamers and financial sponsors</p> <ul style="list-style-type: none"> - 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. 	2023-09 / 2024-03
<p><u>Contracted Graphic Designer @ Islamic Institute of Orange County</u> et al.</p> <ul style="list-style-type: none"> - 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. 	2016-04 / Present
<p><u>Internship @ CSU Fullerton</u> under the Val Tech Program</p> <ul style="list-style-type: none"> - 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. 	2017-09 / 2018-05
<p><u>Professional Engineering Course Center</u> (on call)</p> <ul style="list-style-type: none"> - 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. 	2015-06 / Present
<p><u>Raising Cane's; El Pollo Loco</u> (customer service, part-time)</p> <ul style="list-style-type: none"> - 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. 	2019-08 / 2021-06