TAREK CHAALAN

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🔗 Linkedin | Portfolio | Github

PROFESSIONAL SUMMARY

Passionate Computer Science graduate with expertise in full-stack development and cloud data systems. Blend of frontend/back-end engineering with strong analytical, prototyping, and automation skills. Committed to delivering reliable, user-centric software that reduces manual work, surfaces real-time insight, and measurably improves operations.

EDUCATION

California State University, Fullerton
Fullerton, California

Bachelor of Science: Computer Science
Cum Laude (Honor w/ Distinction)

Relevant Coursework:
Data Structures, Algorithms, Software Engineering, Web Front-End Engineering, Web Back-End Engineering, Operating System Concepts, Computer Communications, Algorithm Engineering, Artificial Intelligence, Network Security Fundamentals, Statistical Applications to Natural Sciences, Cybersecurity Foundations

CERTIFICATIONS

- Devops Certification by IBM (Verify)
- Software Engineering Certification by IBM (In Progress)

SKILLS

- Python, C++, Javascript, Typescript, Ruby, Swift, HTML, CSS.
- PyTorch, Flask, React Native, NodeJS, React, Firebase, Bootstrap, Tailwind, Django, Git.
- REST APIs, JSON, Web Services, CI/CD, Docker, Kubernetes, Serverless Functions, Git, Azure, MySQL, NoSQL, PostgreSQL, Authentication.
- SDLC, Agile, PM, DevOps.
- Team Collaboration, Communication, Adaptability, Critical Thinking, Analytical.

LANGUAGES

Arabic & English
Native or Bilingual

French
Professional Working

NATIONALITY

USA

WORK HISTORY

Al Mailam & Shaalan Co – Systems Analyst

Kuwait City, Kuwait • 01/2025 – Current

- Automated Quantity Control & Purchase Order systems end-to-end, centralizing 70+ supplier sheets into a live dashboard with alerts, removing the need for manual checks and missed reorder windows.
- Built a lightweight "Order Panel" with bulk actions, status tracking, and one-click CSV/XLSX exports, shortening weekly purchasing standups and streamlining supplier negotiations.
- Working with a small team to design and develop a role-based Controller that automates requests/approvals, centralizes docs and status, triggers alerts, and logs every move, so each department sees what it needs and nothing gets lost.

Freelance – Software Engineer
Remote • *10/2021 - Current*

- Delivered various websites with responsive UI, online booking, ecommerce, Content Management Systems (CMS); shipping on Vercel/Cloudflare with Continuous Integration and zero-downtime deploys.
- CMS was used for customizable web content, orders, appointments, and more. Integrated email/SMS notifications using twilio.
- Set SEO/analytics and performance budgets; wrote owner-friendly docs and short handover videos to keep maintenance simple.

Cigo Tracker – **Software Engineer**
Montreal, Canada (Remote | Onsite summer/winter) • 02/2022 - 03/2024

- Engineered high-performance database structures and dynamic frontend visualizations using Apache ECharts, Angular (TypeScript), and AWS RDS.
- Conducted comprehensive research and developed innovative data management solutions using AWS cloud services to optimize performance.
- Presented functional prototypes to key stakeholders, demonstrating successful alignment with business objectives and enhancing operational efficiency.
- Evaluated and integrated AWS cloud computing services (S3, EC2) to manage and log customer information, streamlining processes.
- Collaborated with senior software developers to gain deep insights into AWS cloud operations and logistics, driving technical improvements.
- Developed and deployed complex websites through AWS command consoles, providing versatile digital solutions tailored to business needs.

Other Experiences

- DataAnnotation – AI Analyst (04/2022 - 08/2022)
- Al Ahli Bank of Kuwait – Asset Management (08/2024 - 12/2024)

Projects

Fit-Fuel (Senior Capstone)	Trained a custom object detection model for gym equipment with 85% precision, and developed meal tracking and exercise planning features in a cross-platform app.
Secure File Transfer System	Built a secure, terminal-based client-server system for encrypted file transfers using sockets, multithreading, and JWT for authentication, supporting any file type with functionality similar to send-anywhere.com
ChessEloShield (Chrome + Firefox Extension)	Developed and published a cross-browser extension that prevents tilt on Chess.com by enforcing configurable cooldown timers, using background/content scripts, storage sync, and CSS overlays, with a custom popup UI and privacy-focused design.