

Yaman Arab

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SUMMARY

Software Engineer and full-stack developer with 5+ years of experience delivering scalable web, mobile, and AI-powered systems for clients across the UAE, Saudi Arabia, France, Jordan, and Lebanon. Backend team lead on a 4M+ user platform (Araby.ai). Strong in Node.js, React, AWS, and the integration of LLMs, autonomous agents, and workflow automation (n8n) into production products.

EXPERIENCE

MVP Application and Game Design, **Back-end Developer - Team Lead**

May 2023 - Present

Spearheaded the back-end development for Araby.ai, a high-impact platform serving over four million users.

Designed and implemented RESTful APIs and expanded a microservices architecture for flexibility, performance, and maintainability.

Built scalable AWS infrastructure (EC2, ELB, Elastic Beanstalk) with auto-scaling and monitoring; rebuilt the architecture to cut server cost by 50% while preserving performance.

Owned CI/CD with GitHub Actions, automating deployments to AWS Elastic Beanstalk, ELB, and EC2 with minimal downtime.

Integrated payment gateways (Hyperpay, PayPal, Payfort, Stripe) for secure transactions.

Integrated multiple LLMs and generative AI models (OpenAI, Anthropic, open-source) and built autonomous agents for content generation, research, summarization, and workflow automation in users' daily tasks.

Designed agent orchestration and tool-calling pipelines so agents invoke internal APIs, fetch data, and chain multi-step actions on behalf of users.

Built and maintained n8n workflow automations powering recurring AI tasks, scheduled jobs, and cross-service integrations for both user-facing features and internal operations.

Authored unit and integration tests; provided technical leadership through code reviews, mentoring, and engineering standards.

My-Things App, **Full-stack Developer**

Sep 2022 - Present

Built and maintained a Node.js + SQL Server backend with high performance and scalability.

Implemented real-time features with SignalR and WebSockets for live updates and notifications.

Developed responsive React front-end components integrated with backend APIs.

Built customer-service chatbots and integrated open-source Qwen models to handle support conversations, FAQs, and ticket triage end-to-end.

Created AI-powered internal tools for data analytics, business stats, and natural-language report generation.

Developed AI form-filling and document-extraction tools that auto-populate fields and parse customer documents.

Designed multi-step AI agent workflows with custom pipelines to automate recurring operations and connect internal systems.

Deployed and managed the app on Windows Server VMs; tuned SQL queries and stored procedures.

Jedo App, **Full-stack Developer (Contract)**

Feb 2022 - May 2024

Developed robust RESTful APIs in Node.js for efficient client-server communication.

Conducted code reviews and refactoring to improve performance and maintainability.

Maintained and optimized database structures, ensuring data integrity and scalability.

Established multiple environments for thorough testing and streamlined deployment.

Integrated third-party services to extend platform functionality.

Cnepho Company, **Back-end Developer**

May 2021 - May 2023

Developed RESTful APIs for efficient communication between application components.

Built an e-learning platform for a French organization supporting children in underserved neighborhoods.

Designed and deployed e-commerce, social media, and tourism platforms tailored to client requirements.

Led project execution, assigned tasks, and ensured timely delivery of high-quality solutions across multiple client projects.

Provided ongoing post-deployment support, addressing client inquiries and resolving issues.

EDUCATION

International University for Science and Technology
Bachelor of Informatics Engineering • Sep 2017 - Apr 2023
Hong Kong University of Science and Technology
Front-End Web Development with React • Apr 2020
University of Michigan
Python for Everybody Specialization • Mar 2020
International University for Science and Technology
Programming Skills in Java • Dec 2018

SKILLS

JavaScript • TypeScript • Python • PHP • C# • Node.js • ExpressJS • ReactJS • NextJS • React Native • Redux • TailwindCSS • Bootstrap • GraphQL • REST • WebSockets • SignalR • SQL • MongoDB • MySQL • SQL Server • PostgreSQL • Firebase • Redis • AWS (EC2, ELB, Elastic Beanstalk, S3) • CI/CD • GitHub Actions • Docker • Laravel • .NET • Git • Jira • Agile/Scrum • LLM Integration (OpenAI, Anthropic, open-source) • AI Agents & Tool-calling • n8n Workflow Automation • Chatbots & Conversational AI • RAG & Vector Databases • Prompt Engineering

HONORS & AWARDS

Al Ain University, Guest Evaluator - Graduation Projects Exhibition
Apr 2025

Invited to serve as a guest evaluator at the university's first graduation project exhibition. Assessed student projects that contributed to final grades, offering constructive feedback and professional recommendations. Contributed to bridging the gap between academic learning and real-world application, while supporting the development of innovative engineering ideas.