ALI I. AWDEH

Software Engineer & Award-Winning Innovator

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EXPERIENCE

Software Engineer
Senal Forex

Sept 2024 – Sept 2025   Beirut, Lebanon

- Built **AI-driven trading bots** for real-time forex insights, reducing manual analysis by **60%**.
- Developed ML models to predict market trends; improved forecast accuracy by **20%**.
- Digitized operations by creating internal tools; cut paper-based workflows by **80%**.
- Optimized backend infrastructure (Node.js/Express, MySQL, Nginx) to improve reliability and scalability.

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Backend Developer Intern
Esri Lebanon

Jul 2024 – Aug 2024   Beirut, Lebanon

- Designed and implemented the backend & database for a **Training Management System (TMS)** using TypeScript/Express.
- Built admin tooling for sessions & trainee tracking; reduced reporting time by **40%**.
- Tuned queries and data flows to handle **10,000+ records** with zero downtime during import.

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Automation & Scripting Intern
Esri Lebanon

Jul 2023 – Aug 2023   Beirut, Lebanon

- Automated workflows with Python/JavaScript; reduced manual steps across teams.
- Integrated scripts with existing infra; improved consistency and deployment speed.

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COO & Lead Developer
Senal Crypto

Aug 2021 – Aug 2022   Beirut, Lebanon

- Led the pivot to **blockchain & DeFi**; owned product/engineering roadmap and delivery.
- Implemented **security protocols & smart contract audits** to protect clients and partners.
- Managed cross-functional team; shipped tokenomics-driven features and dashboards.

EDUCATION

B.S. in Computer Communication Engineering
Antonine University

Sept 2020 – Jun 2026 (Expected)   Lebanon

SUMMARY

Award-winning software engineer with experience in **backend development**, **AI/ML systems**, and **blockchain**. Holder of **2 patents** and **9 international medals** (incl. Gold at the Geneva International Exhibition). Strong at building scalable APIs, automating ops, and leading cross-functional teams.

CORE SKILLS

Languages/Frameworks: Java, Spring Boot, TypeScript, Node.js, Express, Python, SQL (MySQL), REST APIs, JWT Auth, Microservices
Cloud/DevOps: Docker, AWS (EC2, S3), Nginx, Linux (Ubuntu), CI/CD (GitHub Actions), Git
AI/ML: TensorFlow, Scikit-learn, Pandas, Keras, Feature Engineering, Model Evaluation
Blockchain: Smart Contracts, DApps, Tokenomics

AWARDS & PATENTS

- **Gold Medal** – Geneva International Invention Exhibition (2023, 2018)
- **Gold Medal** – IIFME International Fair of the Middle East (2023)
- **Gold Medal** – IENA International Trade Fair (2022)
- **Patents**: Smart Wind Controller (*extends turbine lifespan from 3 to 17 years*); Magnetic Gun (2017)

PRESENTATIONS

- **Opening Speaker**, Arab Youth Festival: Addressed ministers and representatives from all Arab nations.
- **Meet & Greet with Lebanese Inventors**: Spoke to 1,000+ students about innovation.

LANGUAGES

Arabic — Native   English — Fluent   French — Professional

- **Pause (Aug 2021 – Aug 2022):** Took a year off to launch and lead **Senal Crypto**, gaining hands-on entrepreneurial experience.
- Focus: software development, network systems, and emerging technologies.

VOLUNTEERING

- **Technology Educator:** Teaching children computer literacy and technology skills.
- **Community Volunteer:** Organized village clean-ups and environmental awareness activities.

LINKS (ATS-SAFE)

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