

Hamzah Darwish

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Hands-on Tech Lead and Senior Software Engineer with 10+ years delivering production platforms in FinTech, SaaS, and high-integrity regulatory settings. Experienced in architecture and API ecosystems, builds identity/KYC integrations and cloud infra, and boosts delivery speed, performance, and operational efficiency.

Work Experience

Astel Ventures

May 2025 – Present

Senior Software Engineer

Dubai, UAE / Remote

- Re-architecting the core customer-facing platform using **Django + Vue**, improving **end-to-end page load times by ~80%**.
- Introduced CI/CD, release rules, and code review standards improving delivery reliability and reducing regressions.
- Maintain and upgrade LLM usage within the product (model selection, prompt improvements, cost and accuracy tracking).
- Performs hands-on issue debugging, refactoring, and live-system stabilization.

Equevu

June 2021 – May 2025

Technology Lead

Abu Dhabi, UAE

- Designed and implemented the **Django/PostgreSQL backend architecture** hosted on AWS.
- Integrated identity/financial systems including **UAE PASS (digital identity)**, **AllFunds (wealth)**, and **Onfido (eKYC)** enabling automated onboarding.
- Built and shipped APIs powering the **web platform and Flutter mobile app**, supporting contributions, account management, and workflows.
- Developed IFRS-compliant reporting services for End-of-Service calculations used by enterprises.
- Led technical effort to transform the product into a **white-label SaaS offering**, enabling multi-tenant onboarding.
- Mentored and reviewed work of **4 engineers**, improving code quality and backlog discipline.
- Supported compliance processes and security reviews aligned with UAE fintech requirements.

Liwwa

Oct 2019 – Jun 2021

Senior Software Engineer (Lead)

Amman, Jordan

- Owned backend services for loan marketplace and internally built LMS in **Flask/PostgreSQL**.
- Integrated **CRIF credit bureau**, cutting inquiry expenses **30%** and improving credit decision time **~10%**.
- Upgraded UI stack from **Backbone** → **React**, modernizing frontend maintainability.
- Provided technical oversight for **4 engineers + QA**, with hands-on delivery, technical assessments and code reviews.

POSRocket

Aug 2018 – Oct 2019

Software Engineer

Amman, Jordan

- Built internal admin portal used by support teams to manage merchants, subscriptions, and provisioning.
- Led **Zain** telecom integration creating a **new reseller acquisition channel**, adding to customer acquisition by 10%.
- Contributed to developer-facing APIs and portal enabling third-party add-ons (analytics, reporting, delivery apps).

WashyWash

Founding Software Engineer

Oct 2017 – Aug 2018

Amman, Jordan

- Built REST APIs using **Laravel/Lumen** powering customer mobile apps and internal delivery apps.
- Designed automation improving routing, driver notifications, and item-tracking across operations, reducing human error by 25% over 2 quarters.

SiTech

Full-Stack Engineer

Sep 2015 – Oct 2017

Amman, Jordan

- Contributed to large-scale edX deployments for Saudi workforce skilling (**Django/edX**).
- Delivered features for freelance marketplace **Ureed.com** (**DRF/Angular**).
- Built e-learning platforms for QRTA in Jordan via **Django/edX**.

Technical Skills

- **Programming Languages:** Python, TypeScript, JavaScript, PHP, bash, CSS, HTML
- **Databases:** SQL, MySQL, PostgreSQL, MongoDB, SQLite, Elasticsearch, Redis
- **Frameworks:** Django, DRF, Flask, React, Next, Vue, Laravel, Lumen, Tailwind, FastAPI
- **Cloud / DevOps:** AWS, GCP, Docker, Linux, GitHub Actions & CI/CD, logging/monitoring
- **Areas of Expertise:** APIs, Authentication/Identity, Agent Prompt Optimization, Workflow Automation, Architecture, FinTech, SaaS

Projects

- washywash.com **rebuild** — Migrated frontend to **Next.js**, integrated with **Strapi CMS**, improving maintainability and performance.
- **TuneTrade** — Track search/purchase engine for curated playlists (**In development**).

Advisory

- Advisor to early-stage startups in cybersecurity, crypto trading, live events, and logistics.