

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 Senior Software Engineer	May 2025 – Present Dubai, UAE / Remote
<ul style="list-style-type: none">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.	
Equequivu Technology Lead	June 2021 – May 2025 Abu Dhabi, UAE
<ul style="list-style-type: none">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 Senior Software Engineer (Lead)	Oct 2019 – Jun 2021 Amman, Jordan
<ul style="list-style-type: none">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 Software Engineer	Aug 2018 – Oct 2019 Amman, Jordan
<ul style="list-style-type: none">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.