YASSER HARZELLI

Software Engineer

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SUMMARY

Software Engineer with a Master's in Software Engineering and 5 years of experience designing, building, and shipping full-stack web and mobile applications. Delivered 12 applications for clients across multiple countries, deployed on VPS servers and published on Google Play and the App Store. Solves problems by building automations and internal tools that eliminate repetitive work, and leverages AI tools to boost productivity. Skilled in system design, REST API integration, database design, and Agile/Scrum. PMP-certified, bringing product ownership and stakeholder communication.

SKILLS

- **Languages:** JavaScript, TypeScript, Dart, Python, PHP, SQL, HTML/CSS
- **Frameworks & Libraries:** Flutter (Bloc, GetX), Laravel (Livewire, Filament), React, Tailwind CSS, Vite, WordPress
- **Backend, APIs & Databases:** REST API Design & Integration, MySQL, SQLite, Firebase (Auth, Firestore, FCM, Crashlytics), Database Design, Google Maps API, Payment Gateway Integration
- **Architecture & Design:** System Design, Clean Architecture, MVC, MVVM, UML (Class, Sequence, Activity, Use Case), ERD, BPMN, Data Flow Diagrams
- **DevOps & Deployment:** AWS (EC2, S3), Git, GitHub, CI/CD, Docker, VPS Deployment, App Store & Google Play Deployment
- **Dev Tools:** VS Code, Android Studio, Xcode, Postman, Swagger/OpenAPI, Draw.io, Lucidchart, Visio, Bizagi, Figma
- **Documentation & Practices:** SRS, API Documentation, Technical Documentation, Requirements Gathering, Agile (Scrum, Kanban), SDLC, Jira, ClickUp
- **AI & Automation:** Claude Code, ChatGPT, ClickUp Brain, MCP Integrations, Workflow Automation, Python Scripting (Web Scraping, Data Analysis), Internal Tool Development

WORK EXPERIENCE

Software Engineer, Talla — Saudi Arabia (Onsite) **Jul 2025 – Sep 2026**

- Designed the system architecture, selected the tech stack, and designed the database schema for a SaaS clinic marketplace, splitting clinic and admin data into two separate databases.
- Built the Flutter app, published on the App Store and Google Play, and the React landing page, deployed on Vercel.
- Gathered requirements, modeled flows with UML and BPMN diagrams, documented them in an SRS, and selected third-party integrations, including Tap Payments for payments and Zoho Sign for online signing.
- Delivered the mobile app and landing page for the platform's market launch within 4 months, which reached 100+ onboarded clinics, 1,000+ offers, and 1,000+ registered clients in the first month.

Software Engineer, Reops — Saudi Arabia (Remote, Part-time) **Aug 2025 – Apr 2026**

- Re-engineered Reops' WordPress and LMS-extension solution into a custom SaaS LMS that is cheaper to run and more scalable.
- Integrated the Vimeo REST API into the custom SaaS LMS to host and deliver course videos to trainees, supporting scalable video streaming inside the platform.
- Built the Reops landing page in React and deployed it on Vercel.
- Built Reops Studio, an internal AI-powered platform using Claude Code, to manage client projects, generate scripts and shooting sheets, and track teams, cutting production time from 3 months to 1 and reducing editing costs.

Software Engineer, ShafaQ — Saudi Arabia (Onsite) **May 2024 – Jul 2025**

- Designed, coded, and deployed client landing pages using WordPress, HTML/CSS, and React, delivering live websites for multiple clients from initial design through hosting and launch.
- Conducted code reviews of Flutter mobile applications, evaluating code quality, architecture, and maintainability, and giving developers feedback to align with best practices.
- Produced UML diagrams, BPMN process models, and database designs (ERDs) to translate client requirements into clear technical specifications for development teams.
- Managed source code with Git and GitHub and deployed client projects to production hosting, including domain and SSL configuration.

Software Engineer, ABG — Saudi Arabia (Onsite) **Aug 2023 – May 2024**

- Analyzed and mapped existing business processes across 3 departments, translating them into system requirements and UML/BPMN models that defined the scope of the Bash Group web portal.
- Designed the architecture and MySQL database schema for the Bash Group web portal, including role-based access for each department.
- Documented the portals' REST APIs in Postman collections, giving another team clear, ready-to-use endpoints to integrate with our systems.
- Launched the Bash Gate mobile portal and the Bash Group web portal within 8 months, reaching 10k users.

Mobile App Developer, ABG — Saudi Arabia (Remote, Part-time) **Sep 2021 – Aug 2023**

- Developed, published, and maintained 3 Flutter applications end to end, from initial setup to deployment on the App Store and Google Play.
- Integrated REST APIs and Firebase services, and managed releases and version control with Git.

Software Engineer Intern, Naftal — Algeria (Onsite, Master's thesis) **Jan 2023 – Jul 2023**

- Designed a digital operations platform for Naftal, Algeria's national fuel distributor, covering sales and debt recovery workflows, from requirements gathering to system architecture and database design.
- Implemented a platform for sales agents to receive assignments and improve performance, including a personalized recommendation system.

Mobile App Developer, Alpha Computers — Tunisia (Remote, Part-time) **Oct 2022 – May 2023**

- Shipped Kwik, a fast-delivery grocery app built with Flutter, focusing on intuitive UI/UX and reliable performance.
- Collaborated with cross-functional teams (developers, QA, designers, DevOps) to clarify requirements and remove delivery blockers.

Mobile App Developer, Earth of Innovations — Saudi Arabia (Remote, Part-time) **Sep 2021 – Dec 2021**

- Created a Flutter mobile app for a goods transportation platform with two user roles (clients and transporters), company-managed transporter accounts, and a customized interface for each role.

EDUCATION

Master's Degree in Software Engineering **2021 – 2023**
University of Science and Technology Houari Boumediene (USTHB), Algiers

Bachelor's Degree in Computer Science **2017 – 2021**
University of Science and Technology Houari Boumediene (USTHB), Algiers

CERTIFICATIONS

- **Project Management Professional (PMP)** (Project Management Institute)
- **Foundations of Project Management** (Google)
- **Career Essentials in Software Development** (Microsoft and LinkedIn)
- **Software Engineering 101: Plan and Execute Better Software** (Udemy)
- **Clean Architecture in Flutter 3** (Udemy)

AWARDS

- **Top 3**, Social Impact Award, INJAZ El Djazair 2023
- **1st Place**, Google Developer Groups (GDG) Flutter Hackathon 2022
- **Algerian Government Startup Label**, SheShop & SheSell 2022

LANGUAGES

- **Arabic:** Native
- **English:** Fluent
- **French:** Intermediate