

Sara Darwich Chamas

SENIOR FULL-STACK ENGINEER · AI PLATFORM ARCHITECT

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React · Angular · Next.js · TypeScript · Node.js / NestJS · Java Spring Boot · Flutter · SQL Server · Redis · Docker & CI/CD · AI Agent Orchestration

PROFILE

Senior full-stack software engineer with 9+ years of experience delivering enterprise, fintech and e-commerce products across web, mobile and backend systems. Specialised in AI platforms, multi-agent orchestration and automated software-delivery pipelines. Experienced in product architecture, secure integrations and end-to-end delivery across Lebanon, the UK, the GCC and Europe.

FEATURED PROJECTS

AI Management System — End-to-End AI Software-Delivery Platform

MONTY HOLDING

ARCHITECTURE & AGENT ORCHESTRATION

- **Agent orchestration:** an "AI software house" of **40+ specialised agents** running across a **24-stage pipeline** — Strategy → Design → Engineering → QA → Delivery — turning an idea, Figma file or PDF/BRD into user stories, code, API contracts, database schemas, QA tests and deployment from a single interface.
- **Platform architecture:** TypeScript monorepo (React + Vite frontend, Express backend, shared type package) on Microsoft SQL Server, with Redis and BullMQ queues running agents asynchronously through background workers.
- **Multi-LLM orchestration:** OpenAI, Anthropic Claude and Google Gemini integrated via LangChain and LangGraph, producing structured JSON outputs with traceable run histories and a human-in-the-loop approval inbox gating sensitive actions (Jira push, API publish).
- **Developer tooling:** in-browser IDEs — a Live App Builder IDE (Monaco editor, live preview, AI code panel, real-time terminal via node-pty and Socket.IO) and a CodeCraft prototyping IDE — with project files persisted to the database.
- **Enterprise integrations:** OAuth hub for Jira, Figma, GitHub/GitLab, Slack, Notion and Microsoft 365, plus live meeting transcription (Teams / Google Speech) with AI summaries and action items.

MyOrder — Multi-App Delivery Platform Ecosystem

JUN 2026 – PRESENT

SOLE CREATOR & ARCHITECT

- **Ecosystem scope:** architected and built **five distinct applications** — customer mobile app, customer website, driver app, merchant portal and operations back office — covering food, grocery, pharmacy and general retail on one shared backend, identity layer and realtime infrastructure.
- **Platform architecture:** central backend API with single shared identity across all five clients, realtime order and driver tracking, and background workers for notifications, payment processing, report generation and scheduled jobs; Microsoft SQL Server for transactional data with Redis for caching and queues.
- **Financial systems:** payment, wallet, refund, merchant settlement and invoicing subsystems, with the reconciliation and audit trails required to move money between customers, drivers and merchants.
- **Merchant & operations tooling:** live order management, full catalogue control (products, menus, modifiers, pricing, availability, multi-branch, staff permissions), promotions, settlements and reporting — plus internal admin for refunds, support cases, fraud review and platform-wide configuration.
- **Customer & driver experience:** multi-vertical browsing, cart, checkout, offers and live delivery tracking shared across mobile and web; driver-side availability, dispatch, turn-by-turn navigation, delivery confirmation and earnings tracking.

EXPERIENCE

Senior Web Developer — Monty Holding (MyMonty)

NOV 2022 – PRESENT

HAMRA, LEBANON

- **AI & SDLC automation** — led the architecture and development of the **AI Management System** and its AI Augmentation Layer: a unified control room bridging design and delivery, orchestrating agents that translate Figma designs into Jira user stories, API contracts, QA test cases and starter code.
- **Frontend & architecture** — architected scalable React and Angular (v17-v19) platforms on Nx Workspace microfrontends, including an enterprise-grade File Manager and the platform's Live App Builder IDE.
- **Backend & APIs** — designed and built backend services and RESTful APIs in Node.js, Java (Spring Boot) and PHP, with job queues and workers, secure authentication (OAuth/OIDC, Keycloak) and third-party integrations in production.
- **CMS & e-commerce** — built custom CMS platforms and advanced Shopify integrations, owning the full lifecycle from backend architecture to storefront delivery.

- Led delivery of **25+ client projects** spanning web development, e-commerce, CMS and digital services across the UK, Lebanon and the GCC, alongside the current full-time role.
- Owned each engagement end-to-end — architecture, build, integrations and deployment — as sole technical contact for the client.

- Built HR analytics dashboards in React and Node.js, **cutting report generation latency by 40%** through backend API and frontend rendering optimisation.
- Applied containerisation and automated builds to simplify environment replication and deployment.

- Delivered Angular v12 applications for **50+ banks and retailers** across the MENA region, building full-stack features and integrating backend APIs.
- Refactored shared components to cut duplication and **improve maintainability by 25%**; helped implement CI/CD pipelines and deployment automation.

- Maintained and modernised accounting and stock systems used by **50+ SMEs**.
- Improved UI/UX and added backup automation, **reducing support requests by 30%**.

TECHNICAL SKILLS

LANGUAGES	TypeScript, JavaScript, Java, PHP, Dart, SQL — working knowledge of Python and Swift.
FRONTEND	React, Angular (v2–v19), Next.js, Vite, Tailwind CSS, HTML5/CSS3, UI/UX and design-system consistency.
BACKEND	Node.js, Express, NestJS, Java Spring Boot, PHP, RESTful API design, job queues and background workers.
MOBILE	Flutter + Dart (cross-platform), Swift and UIKit (iOS).
DATABASES	Microsoft SQL Server, PostgreSQL, MySQL, Redis, Prisma.
AI & AUTOMATION	OpenAI, Anthropic Claude, Google Gemini, LangChain, LangGraph; agent design and orchestration, prompt engineering, structured outputs; n8n, Zapier, Make.
ARCHITECTURE	System design, microservices, microfrontends (Nx Workspace), monorepos, multi-tenant platforms, realtime and event-driven systems (WebSockets, Socket.IO).
INFRA & SECURITY	Docker, CI/CD (GitHub Actions, GitLab CI), BullMQ, Firebase, Azure Entra ID, Google Cloud, Keycloak, OAuth 2.0 / OpenID Connect (SSO), secure API key management, Git, Vercel.
INTEGRATIONS	Microsoft Graph API, MS Teams developer apps, GitHub Apps & Actions, Jira (Atlassian), Figma API, Shopify, WordPress.
ADDITIONAL	Agile/Scrum, project management, digital strategy.

CERTIFICATIONS

- Anthropic Academy · 2026** — Claude Code in Action · Agent Skills · Model Context Protocol (Introduction & Advanced) · Subagents · Claude Cowork.
- IBM & SkillUp · 2026** — Object-Oriented Programming in Java · Java Programming Fundamentals · Introduction to Software Engineering · Spring Framework for Java Development.
- Google & Microsoft · 2025–2026** — AI Essentials (responsible AI, prompting, AI productivity tools) · Enterprise Product Management Fundamentals · Digital Marketing.

EDUCATION & LANGUAGES

- BSc in Computer Science**
Lebanese University — Hadath, Lebanon
- Arabic — Native · English — Professional working proficiency