

Ezz Abuzaid

Software Engineer

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Summary

Self-taught builder with 8 years shipping production software and 2 years building AI agents and LLM applications. Created multiple open-source frameworks from scratch including DeepAgents (agent orchestration), SDK-IT (SDK generation), and Serverize (container platform). Track record of rapidly turning ideas into working systems - from parsers and compilers to RAG pipelines and multi-agent architectures.

Projects

DeepAgents

July 2025 – present

TypeScript-native AI agent framework designed to be batteries-included

- Implements agent handoffs inspired by OpenAI Swarm for orchestrating multi-agent systems
- Context engine for token estimation, compaction strategies, and structured system prompts
- Includes retrieval package with sqlite-vec for vector search and multi-source connectors (GitHub, RSS, files)

Proposal Generator Agent

Jan 2024

Agentic workflow for business proposal drafting

- Human-in-the-loop design where users select context, AI drafts, users comment, AI refines
- Multi-turn agent with iterative feedback loops
- Harvests user-provided files to learn tone, design, and style

Text2SQL Agent

Oct 2025

AI agent that converts natural language queries to SQL

- Converts natural language to valid SQLite queries with parser validation
- Supports drawing various charts from query results
- Creates domain-specific agents through table/view filtering

SDK-IT

Jan 2024 – present

Developer tool for SDK generation and OpenAPI automation

- Generates type-safe SDKs from OpenAPI specs and OpenAPI specs from TypeScript code
- First-party React Query integration for frontend data fetching
- Isomorphic design enables backend integration testing

Serverize

Jan 2024 – present

Self-hosted container platform for development deployments

- Auto-generates Dockerfiles by analyzing codebase configuration
- Supports 7+ frameworks including Next.js, Nuxt, Astro, and FastAPI
- Secure secrets management with encrypted environment variables

Experience

Senior Software Engineer, Kortext – Contract - Remote Oct 2021 – present

EdTech platform for digital learning

- Utilized TypeScript Compiler API to accelerate Angular upgrades via automatic migrations
- Implemented and engineered the UX of Kortext AI chatbot
- Restructured monolithic monorepo into domain-based architecture for team scalability
- Drove technical improvements through written proposals and RFC process
- Collaborated with QA, product managers, and designers to deliver features and resolve cross-functional issues

Senior Software Engineer, Equiti Group – Amman, Jordan Mar 2019 – Oct 2021

International CFD Forex broker

- Built Front-End CRM from scratch using Angular.
- Contributed to converting monolithic .NetCore project to microservices using Node.js and .Net 5 with gRPC
- Utilized Node.js to send RabbitMQ messages to browser via SSE
- Handled stock data streams using reactive programming (RxJS and Rx.NET)
- Established CI pipelines in Azure DevOps for Angular, Node.js, .NetCore, and Flutter
- Wrote automated tests in JavaScript and C# for product quality and stability

JavaScript Engineer, NoventApp for Business Solutions – Amman, Jordan Jan 2017 – Mar 2019

- Built food delivery application from scratch using Node.js, TypeScript, and Angular
- Integrated Firebase Realtime-Database for live driver location tracking

Education

Al-Balqa Applied University - Faculty of Engineering, BS in Computer Engineering Sept 2016 – June 2020
– Amman, Jordan

Languages

Arabic: Native

English: Full Professional Proficiency

Skills

AI/ML: LLM Applications, RAG Systems, Agent Architectures, OpenAI API, Vercel AI SDK

Languages: TypeScript, C# and Dart.

Backend: Node.js, .NetCore, gRPC, Prisma, PostgreSQL.

Frontend: React, Angular, RxJS, PWA, SSR.

Infrastructure: Docker, GCP, Azure DevOps, CI/CD, Firebase.