

Mohammad Erhim

Computer Systems Engineer | Full-Stack, Mobile, AI & Cloud Software Engineering

Gaza, Palestine · Remote | mohammad.erhim.dev@gmail.com | +970 595 854 056
github.com/Mohammad-Erhim | linkedin.com/in/mohammad-erhim

PROFESSIONAL SUMMARY

Computer Systems Engineer and software engineer with 3+ years of professional experience across full-stack web, mobile, conversational AI, automation and cloud engineering. Progressed at Dash from internships to Software Developer, joining existing production codebases, diagnosing difficult bugs, integrating third-party platforms and delivering with React/React Native, Node.js/NestJS, Python/LiveKit, n8n and AWS. Uses AI development tools to research unfamiliar technologies, prototype and debug faster, while keeping engineering ownership of the result.

CORE SKILLS

Languages	JavaScript, TypeScript, Python, SQL, Swift, PHP (Laravel)
Web & Mobile	React, Next.js, React Native, Flutter, Swift/SwiftUI, HTML, CSS, Tailwind CSS, Redux / Context, responsive interfaces, dashboards
Backend, APIs & Integrations	Node.js, NestJS, Express, Laravel, REST and GraphQL APIs, WebSockets, webhooks, Twilio, Stripe, Telegram, third-party SDKs
AI & Automation	LLM integration (OpenAI, Gemini and Claude ecosystems), prompt engineering, function/tool calling, conversational AI and real-time voice agents (Python, LiveKit), n8n workflow automation, RAG/embeddings concepts
Databases	PostgreSQL, MySQL, MongoDB, Firebase, Sequelize, database design, query optimization
Cloud & DevOps	AWS (Amplify, EC2, S3, Lambda, Device Farm, API Gateway, Cognito, AppSync), Docker, Docker Compose, Git, GitHub, Linux, CI/CD concepts
Testing & QA	Appium, WebdriverIO, Playwright, regression testing, debugging and root-cause analysis

PROFESSIONAL EXPERIENCE

Dash

Late 2022 – Jul 2026

Software engineering team delivering web, mobile, AI and cloud products, including client projects with partner teams.

- Software Developer
- Jul 2023 – Jul 2026
- Developed, maintained and debugged web, mobile, backend and AI-driven applications across multiple commercial projects.
 - Worked across React/React Native interfaces, Node.js/NestJS/Laravel backends, Python/LiveKit agent systems, Flutter mobile maintenance, n8n automation and AWS environments.
 - Took over existing production codebases: investigated complex bugs, fixed regressions, handled dependency and build problems and implemented new functionality where required.
 - Built and maintained conversational AI workflows and voice agents with LLM-driven logic, function/tool integrations, telephony and real-time communication behavior.
 - Integrated external platforms and APIs, including Twilio, Stripe, Telegram, AWS services and AI providers.
 - Worked across multi-repository products where frontend, backend and AI-agent runtime were separate codebases, coordinating with team leads and partner teams.
 - Validated mobile and web workflows with Appium, WebdriverIO and Playwright to reproduce issues and improve reliability.
 - Used AWS for application hosting, compute, storage, deployment and device-based testing.

Software Development Intern (UNDP-supported)

Jan 2023 – Jun 2023

- Six-month professional internship on real products and existing codebases: implementation, debugging, maintenance, testing and application improvements. Continued into the Software Developer role.

Software Development Intern (University program)

Late 2022 (3 months)

- First professional experience with real application code, development environments, debugging and team workflows.

SELECTED PROJECTS

Najieb & Voxira – Conversational AI Voice-Agent Platforms, Dash

Python · LiveKit · LLM tooling · Laravel · React · Twilio · Bland AI

- **Najieb (MVP)**: worked across three repositories (React frontend, Laravel backend, Python/LiveKit agent system), developed real-time agents and integrated Twilio phone numbers for voice interactions.
- **Voxira (AI phone agent for clinics)**: built and refined conversational flows, contributed to the move from Bland AI to programmable Python/LiveKit agents, and worked with prompts, model configuration and tool/function calling.
- Tested agent responses, investigated incorrect or hallucinated behavior and refined prompts and configuration; handled real-time call flows and webhooks.

AI News Analyzer – AI Automation & News Intelligence, Dash

n8n · LLM APIs · database · Telegram · React

- Built the full pipeline: n8n workflows ingest news from multiple sources, an LLM scores and classifies each item against configurable instructions, results are stored in a database and selected items are delivered to Telegram.
- Built a React interface for filtering and reviewing the analyzed news.

Monmedx – Integrated Medical (EMR/EHR) Platform, Dash

React · mobile app contribution

- Worked as a React frontend developer in a large existing healthcare codebase, diagnosing and fixing complex bugs and pagination and data-display issues that affected clinical and operational workflows.
- Contributed to the companion mobile application and implemented a complete mobile flow in a regulated healthcare context where data correctness and workflow continuity mattered.

Car Rental App – Full-Stack Web & Mobile Platform, independent

React · React Native · NestJS · Node.js

- Built a customer web app, a React Native mobile app, NestJS/Node.js backend services and a web administration dashboard, with web and mobile clients sharing backend services and business logic.

RecordMemoAI – Native macOS AI Productivity App, independent

Swift · SwiftUI · AI/LLM services · speech transcription

- Built a native macOS app with real-time speech transcription and simultaneous translation, press-and-hold voice input, hotkey-driven commands and AI-assisted rewriting or translation of selected text, using an AI-assisted workflow to work in a new native stack.

Other work

- **Boka** (React, React Native, NestJS): fixed bugs across web, mobile and backend and contributed coupon functionality.
- **LaunchTrip** (React Native): fixed Stripe payment-field styling and UI issues; implemented automated mobile tests with Appium and WebdriverIO.
- **Metro Market** (Flutter): updated deprecated packages, resolved compatibility problems and restored the iOS build for deployment.
- **Abacus** (React Native): set up the project, built core screens and worked extensively on animations and interactive UI.

EDUCATION

B.Sc. in Computer Systems Engineering – Al-Azhar University, Gaza

2018 – 2023

GPA: 88.16 / 100

LANGUAGES

Arabic – Native · English – Conversational