Hazem Lenin

Software Engineer

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SUMMARY

Full Stack Developer with 5+ years of experience owning complex modules end-to-end in enterprise B2B systems — from .NET Core API design and Clean Architecture to Angular frontend and production mobile apps. Known for going beyond delivery: restructuring frontend monorepos, implementing MFA flows from scratch, building developer tooling adopted company-wide, and contributing to engineering culture through mentoring, knowledge-sharing sessions, and the company's official engineering competency matrix.

WORK EXPERIENCE

Software Engineer | GAMP · IT Services & Software Development, Poland *Mar 2024 – July 2026*

- Software engineer on GapMap, a modular B2B partition management platform serving enterprise clients in Poland (Renk, ZRRT); owned the Contractors module end-to-end across .NET Core API and Angular — domain modelling, EF Core schema, API design, and UI components
- Built full-stack features spanning MFA (Identity Server, recovery codes), PayU payments, subscriptions, shipment, a cross-platform feature-toggle system, and raw TCP socket integration with ethernet-connected printers
- Solely owned the mobile project — GapMap and eZRRT (Capacitor + Angular + Trapeze) with FCM push, native config, Fastlane CI/CD, and Google Play/App Store releases
- Responsible for Pay-Station, a kiosk-machine module within GapMap letting on-site customers pay for their parking time — covering the kiosk UI, payment flow, and hardware/printer integration
- Applied Clean Architecture, Repository pattern, CQRS (MediatR), and SignalR across .NET Core services; co-led a 2-month Nx monorepo restructure (5 Angular modules) and set up Playwright e2e testing
- Cut calendar load time by ~70% by redesigning the API and optimizing DB queries
- Compressed 280+ EF Core migration files for the MSSQL database into a single consolidated migration, speeding up local builds by ~40%
- Mentored 3 junior developers, conducted technical interviews, delivered a company-wide knowledge-sharing session recognized as the best KS session, and co-authored the company's engineering competency matrix

Software Engineer | Pixel Academy *Oct 2021 – Mar 2024*

- Built a course-center management system with C# ASP.NET Core, Razor Pages, and MSSQL, deployed on IIS, with React and Angular used for select frontend modules
- Built an offline desktop version of the platform with automatic two-way sync to the backend server, plus a data pipeline for converting between Excel files and live system data
- Designed a tailored attendance system tracking attendance history, cross-referencing it against exam attendance and delivered content, and calculating student charges under weekly, monthly, or custom billing plans

Full Stack Developer | Pixel Stamp *Oct 2020 – Jun 2021*

- Architected and built multiple e-learning platforms from the ground up using Django REST Framework — responsible for API design, data modelling, and backend architecture decisions
- Designed and delivered a full learning center management system covering appointments, scheduling, pricing rules, and financial reporting
- Delivered frontend features across React, Vue.js, and Next.js depending on project requirements

OPEN SOURCE PROJECTS

Merge Polisher | **github.com/HazemLenin/merge-polisher** *2024 – Present*

- An AI-powered GitLab/GitHub CI tool that automatically polishes MR/PR descriptions, posts inline code review suggestions, and generates a confidence score based on coverage of critical code paths
- Built in Python with a clean layered architecture (adapters, domain, application, core); supports marker-driven behavior, retry/fallback LLM handling, and Docker deployment
- Supports both GitLab and GitHub providers; uses Gemini API for LLM inference; ships with GitHub Actions CI and automated Docker image publishing

Learn Flow | **github.com/HazemLenin/learn-flow** *2026 – Present*

- Event-driven mini e-learning platform: Nx monorepo of 3 NestJS microservices (Catalog, Enrollment, Notification) communicating over RabbitMQ, plus a React frontend
- Designed MongoDB (Mongoose) and PostgreSQL (TypeORM) data models, idempotent event consumers, a synchronous mock-payment flow, and a retry/backoff email notification pipeline with failure reporting
- Containerized with Docker Compose, documented with Swagger, and covered by unit + integration tests (Jest, Supertest) with GitHub Actions CI

EDUCATION

B.Sc. Management Information Systems (MIS) *Graduated 2025*

Faculty of Business, Alexandria University • Grade: 3.69 / 4.0

Relevant coursework: Statistics, Accounting, Data Analysis, Business Intelligence, Cloud Computing, Databases, Software Design

TECHNICAL SKILLS

Backend	.NET Core (Clean Architecture, CQRS/MediatR, SignalR), C# ASP.NET Core (Razor Pages), NestJS, Django (Python), REST APIs, Microservices & Event-Driven Architecture (RabbitMQ)
Databases	MongoDB (Mongoose), PostgreSQL (TypeORM), SQL
Frontend	Angular (Signals, Standalone Components), React, Vue.js, Next.js, Redux, TanStack Query, Vite
Mobile	Capacitor, Angular, Trapeze (multi-app native config)
DevOps	GitLab CI/CD, Fastlane, Docker, App Store Connect (iOS), Google Play Console
Other	Python, LLM APIs (Gemini), SQL, Git, Playwright (e2e)
Languages	Arabic (native), English (professional)

CERTIFICATIONS & ACTIVITIES

Software Design and Architecture Specialization • University of Alberta / Coursera

Coding Instructor (Volunteer) • Semicolon