

Yehia Fayyad

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BS in Computer and Communication Engineering – Full Stack Software Developer

Software Engineering graduate with hands-on experience in software and web development. Completed an internship at Aspire Software, an international software company, building an AI-assisted project management platform, and a Full Stack (MERN) training program with UNICEF. Delivered real-world projects that solve business problems and save time in operational workflows.

WORK EXPERIENCE

Software Engineer Intern — GDC Aspire Software

Jun – Jul 2026

Led by Abed Chanouha • Tech Lead @ Pimsoft

- Collaborated in a three-person Agile team to develop WorkWise, a full-stack AI-assisted project-management platform.
- Implemented real-time project updates, notifications, and activity feeds with Socket.IO, with JWT authentication and role-based access control.
- Integrated Google Gemini to generate daily project digests and sprint retrospectives, supporting AI-assisted Scrum planning and reporting.
- Designed database schemas, migrations, seed data, and a GitHub Actions CI workflow for the application's PostgreSQL/Supabase infrastructure.
- Improved authentication and account-recovery workflows via SMTP email delivery and password reset, and polished responsive interfaces.
- Supported production deployment on Vercel and Render, resolving build and integration issues using Git feature branches, pull requests, and sprint-based delivery.

Full Stack Web Development (4Finance-Anera-Unicef)

Mar – Jun 2026

Led by Jad Khawand • Senior Software Engineer

- Built a solid foundation and hands-on experience in full stack web development using the MERN stack.
- Worked on web design, state management, and API integration using React, Express, MongoDB, and Next.js.
- Gained strong practical knowledge in UI/UX implementation, responsive layouts, and web deployment.

Software Engineer Excellence Program

Jun 2025

Led by Sami ShamsEddine • Senior Software Engineer

- Covered a comprehensive curriculum: Software Engineering Essentials, Advanced Class Design Patterns, Database Management, Backend Architecture & API Development, and CI/CD Mastery.
- Gained insight into modern software engineering practices, scalable backend systems, and efficient team collaboration workflows.
- Developed a deeper understanding of clean code principles, version control, and collaborative development workflows.

PROJECTS

Garage ERP System (Delivered)

May 2026

- Designed and developed a full-stack desktop ERP system for a Mercedes-Benz automotive service center using Electron, React 18, TypeScript, NestJS, and PostgreSQL.
- Implemented real-time service order management with mileage tracking, routine work integration, and full vehicle service history.
- Deployed and maintained the system in a live production environment, handling database migrations, bug fixes, and incremental feature releases.
- Successfully sold and delivered the solution to a real client under the TECHORIZON brand.

WorkWise — AI-Assisted Project Management Platform

Jun – Jul 2026

React, TypeScript, Node.js, Express, PostgreSQL, Prisma, Socket.IO, Google Gemini

- Developed a full-stack Scrum platform featuring project workspaces, Kanban boards, backlogs, sprint planning, analytics, documentation, and role-based team collaboration.
- Integrated Google Gemini for task breakdowns, acceptance criteria, sprint recommendations, risk analysis, daily summaries, and retrospectives.
- Implemented JWT authentication, real-time notifications, activity feeds, email workflows, and REST APIs backed by PostgreSQL and Prisma.
- Tested with Vitest, React Testing Library, and Supertest; deployed the frontend on Vercel and backend on Render using Supabase PostgreSQL.

LearnIQ — AI Learning Platform-Mentored by Dr. Mario Maroun

React, FastAPI, PostgreSQL, OpenAI, ChromaDB

- Built a full-stack platform that transforms course PDFs into AI-generated summaries, quizzes, personalized recommendations, and searchable study materials.
- Developed responsive course, document, authentication, profile, and learning workflows using React, Zustand, and REST APIs.
- Implemented PDF processing, LangChain chunking, OpenAI embeddings, semantic search, and persistent vector storage.
- Developing a RAG-based chatbot and document-grounded quiz generation based on student performance.

SKILLS

Technical Skills:

- MERN Stack, JavaScript, Python, C#, TypeScript
- .NET, Next.js, FastAPI
- SQLite, PostgreSQL, Supabase

Soft Skills:

- Attention to Detail
- Problem Solving
- Team Collaboration
- Time Management
- Adaptability

Languages:

- Arabic (Native)
- English (Advanced)
- French (Beginner)

EDUCATION

Bachelor's Degree in CCE	<i>Oct 2023 – Aug 2026</i>
Lebanese University – Faculty of Technology	

CERTIFICATIONS

Flutter Development — CaC	<i>Jun 2025 – Jul 2025</i>
AI for Social Impact — DOT Lebanon	<i>Apr 2025 – May 2025</i>
AI Data Annotation — DOT Lebanon	<i>Mar 2025 – Apr 2025</i>
Android: Build Applications with Java — Udemy · Entrepreneurial Mindset Program	<i>Mar 2024</i>