

Mahmoud Al Hajj

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SUMMARY

Software Engineer and an SE Factory graduate skilled in React Native, React, Laravel, Node.js, and cloud platforms, delivering production ready projects with on-time sprint completion. Built an n8n compatible AI-powered workflow automation platform that translates natural language into executable workflows, showcasing a strong focus on scalability and clean code.

SKILLS

- Programming Languages:** Java, C#, Python, PHP, JavaScript
Development: Laravel, ReactJS, NodeJS, ExpressJS, React Native, JWT, HTML, CSS
Databases: PostgreSQL, MySQL, Prisma ORM, Supabase
Cloud & DevOps: AWS (EC2, S3, Lambda), Git, Docker, CI/CD pipelines
Tools: n8n, Postman, Figma, Git
Soft Skills: Problem solving, adaptability, teamwork, clear communication
Languages Spoken: Arabic (native), English (fluent)

EXPERIENCE

SE Factory Software Engineering Bootcamp

Full Stack Software Engineer Trainee

Beirut, Lebanon

June 2025 – Sept 2025

- Designed REST APIs with JWT authentication, handling error states, validation, and role-based access across web and mobile clients.
- Collaborated in agile sprints to deliver features on time while maintaining clean, testable code.
- Applied version control, CI/CD, and DevOps practices to ensure scalable, production ready solutions.

Do360 Digital Construction

Software Development Intern

Hamra, Lebanon

June 2025 – July 2025

- Automated training record management, boosting operational efficiency by 60%.
- Improved admin usability by 80% by redesigning data flows and implementing real-time dashboards for operational metrics.

PROJECTS

Workflow Automation Platform | NodeJS/ExpressJS/n8n/PostgreSQL

August 2025 – Present

Full-Stack Web Application

- Designed and built an AI-powered automation platform that translates natural language business requirements into n8n workflows.
- Built secure REST APIs using JWT authentication, rate limiting, and input/output sanitization.
- Integrated automation across 590+ services via n8n, reducing workflow setup time by up to 80%.

E-commerce Platform | Laravel/Redis/ReactJS/Redux/MySQL

July 2025 – August 2025

Backend Lead - Full-Stack Web Application

- Led backend architecture and development with Laravel, Redis-backed queues, real-time broadcasting, automated notifications and analytics dashboard coordinating team contributions and ensuring scalable, production-ready practices.
- Delivered an AI-powered personalized chatbot to guide customers through product discovery and checkout, integrating seamlessly with the e-commerce workflow.

Time Capsule | Laravel/ReactJS/MySQL

June 2025

Full-Stack Web Application

- Built a social platform enabling users to create private or public digital time capsules with multimedia content.
- Integrated JWT authentication for secure data handling and GPS/IP-based tagging for location-aware content filtering.

EDUCATION

Bachelor's degree in Computer Science | **Haigazian University (HU)**, Beirut, Lebanon

2023 – Present

Expected date of graduation: Fall 2026

CERTIFICATION

Python Certification / SQL Certification – HackerRank

Feb 2025

AWS Cloud Practitioner Essentials – Amazon Web Services

Sept 2024