

JOE EL GEMAYEL

Junior Software Engineer

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WEBSITES, PORTFOLIOS, PROFILES

- <https://linkedin.com/in/joeelgemayel>
- <https://github.com/joeelgemayel>

PROFESSIONAL SUMMARY

Computer Science graduate (CNAM) currently pursuing an Engineering Degree in Software Engineering, with 3+ years of combined experience in backend development, IT infrastructure, and technical support. Skilled in building RESTful APIs, relational databases, web and desktop applications, and AI-driven solutions. Solid academic foundation in software engineering, cloud computing, networking, distributed systems, quantum computing, and cybersecurity, with a track record of delivering hackathon-winning and coursework-driven projects.

SKILLS

- Java & Python
- C / C++ & SQL
- JavaScript, HTML5 & CSS3
- Git & GitHub
- REST APIs & CRUD Applications
- Software Architecture & Database Design
- Cloud Architecture & Linux Systems
- TCP/IP Networking & Cybersecurity Fundamentals

WORK HISTORY

Junior Backend Developer

05/2024 to 10/2025

Equitick SARL, Beirut, Lebanon

- Developed and maintained backend applications supporting production systems, improving service uptime by **15%**.
- Designed and implemented **12+** RESTful APIs for seamless frontend integration.
- Built responsive web interfaces using HTML, CSS, and JavaScript.
- Designed, optimized, and maintained relational databases, reducing query response times by **30%**.
- Collaborated with UI/UX designers and developers to ship application features on tight deadlines.
- Debugged, tested, and maintained production software, supporting deployment and documentation for **8+** core modules.

Software Development Intern

01/2025 to 09/2025

Questa SARL, Blat, Lebanon

- Participated in development of Augmented Reality applications using Unity Engine, contributing to **5** major features.
- Developed interactive software using JavaScript, C++, and WebAssembly.
- Integrated software solutions with physical kiosks and interactive systems across **3** deployment sites.
- Collaborated with engineers and technical leads on testing, debugging, and integration, accelerating delivery timelines by **20%**.

IT Support Technician & Commercial Technician

08/2022 to 03/2024

GCS Computers Pro SARL, Jounieh, Lebanon

- Diagnosed and repaired desktop and laptop hardware issues for **25+** clients weekly.
- Installed, configured, and maintained Windows operating systems and enterprise software across **150+** workstations.
- Troubleshoot hardware, software, and networking issues; performed preventive maintenance, reducing repeat service calls by **35%**.
- Delivered technical consultations and after-sales support, maintaining a customer satisfaction rating of **95%**.

EDUCATION

CNAM, Lebanon

Engineering Degree, Software Engineering — Expected 12/2027

CNAM, Lebanon

Bachelor's Degree, Computer Science — 12/2025

Graduated

ACADEMIC & PERSONAL PROJECTS

- **AI-Powered Sustainability Solution, 1st Place, AI Innovation Hackathon 2026, Artificial Intelligence** — Won 1st place among 16 competing teams for an AI-powered solution promoting sustainability. Applied rapid prototyping and problem-solving methodologies within a multidisciplinary team.
- **AI Email Classification System, Cloud Computing Course Project, Python, Machine Learning** — Built a cloud-based system to classify emails as authentic or phishing using machine learning techniques. Applied cloud architecture and distributed computing concepts to deploy and scale the classifier.
- **Bank Digital Transaction Platform, Project Management Course, Full Project Lifecycle** — Led project planning for a banking application designed to digitize and simplify online transactions. Applied project management methodologies covering scope, planning, execution, and delivery.
- **Quantum Computing Research Project, ENG261, Quantum Computing Fundamentals** — Researched and presented core principles of quantum computing, including qubits and quantum algorithms. Explored real-world applications and limitations of quantum computing versus classical systems.
- **Web3 Website Project, Web3 Course, HTML5, CSS3, JavaScript** — Designed and developed a fully functional website applying modern front-end web development practices. Implemented responsive layouts and interactive client-side functionality.
- **Java3 Desktop Application, Java3 Course, Java, OOP** — Designed and built a Java application applying advanced object-oriented programming principles. Implemented modular, maintainable code following software design best practices.
- **Java Contact Management System, Java, Swing, MVC, File Serialization** — Developed a desktop application following the MVC architectural pattern. Implemented contact/group management, persistent file storage, sorting, searching, and filtering.
- **Full-Stack E-Commerce Platform, PHP, MySQL, JavaScript, HTML5, CSS3** — Built a complete e-commerce website with authentication, shopping cart, and order management. Designed normalized relational databases and responsive interfaces for desktop and mobile.
- **Database Engineering Projects, MCD/MLD Modeling, SQL** — Designed relational database schemas using MCD and MLD methodologies with normalization techniques.
- **Linux Administration & System Programming Labs, Linux, Shell, Process Management** — Managed users, permissions, and file systems; performed shell operations and process management.
- **Networking & Infrastructure Projects, TCP/IP, Routing, Switching** — Designed IP addressing/subnetting solutions and configured routing, switching, and protocols.

LANGUAGES

- **Arabic:** Native or Bilingual
- **English:** Full Professional
- **French:** Full Professional

PERSONAL INFORMATION

- **Title:** Junior Software Engineer