

# Mostafa Aboraya

Beirut, Lebanon

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**Java / Backend Software Engineer** Computer Science graduate with strong Java and Spring Boot foundations, hands-on experience building scalable backend systems, RESTful APIs, and cloud-ready applications.

## EDUCATION

**Phoenicia University (PU) - Sarafand, Lebanon**

**October 2022 – February 2026**

B.S. in Computer Science

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, C++, TypeScript, PHP, HTML, CSS

**Backend & Frameworks:** Spring, Spring Boot, REST APIs, Microservices

**Architecture Data & Streaming:** SQL, MySQL, Data Modeling, Event-Driven Design (Kafka – academic & project exposure)

**Cloud & DevOps:** Docker, CI/CD Pipelines, AWS (EC2, S3 – academic & project exposure), Kubernetes

**Tools:** Git/GitHub, Linux (Ubuntu), IntelliJ, VS Code, Postman

**Practices:** Agile/Scrum, Unit Testing, Clean Code, Design Patterns

## PROFESSIONAL EXPERIENCE

**Lebanese Welfare Association for the Handicapped – Beirut**

**June 2025 – September 2025**

*Software Engineering Intern*

- Upgraded production Flutter App from v2.10 to v3.19, resolving breaking API changes and reducing Android 15 crash rates by 45% for 6,400+ users
- Implemented backend-driven web modules using PHP, MySQL, and REST-style endpoints, enabling access to 3,500+ records, and reducing administrative processing time by 35%
- Collaborated with cross-functional teams to refine requirements, track blockers, and deliver features against agreed timelines

## PROJECTS

**College ERP System | Java, Spring Boot, MySQL, Docker, React**

**November 2024 – February 2025**

- Designed and developed scalable RESTful APIs using Spring Boot to support an ERP platform serving ~2,000 students and staff
- Implemented layered architecture (Controller, Service, Repository) ensuring clean separation of concerns and long-term maintainability
- Containerized backend services with Docker and deployed on Ubuntu, enabling consistent environments and faster releases
- Delivered analytics dashboards and automated workflows, reducing manual operational effort by 40%

**Dialect Classifier - Team Lead | Python, Deep Learning**

**February 2025 – May 2025**

- Led development of scalable data preprocessing pipelines for 3,600+ audio samples, preparing datasets for model training and analytics
- Coordinated task estimation, sprint planning, and delivery for a team project, ensuring milestones were met on schedule
- Achieved 94.8% validation accuracy using ResNet-50 through iterative experimentation and performance tuning

**Digit Recognition System - Team Lead | C++, OpenMP, OpenCL**

**March 2025 – May 2025**

- Engineered parallel and serial neural network implementations using OpenMP and OpenCL, improving execution efficiency while maintaining 85% accuracy on MNIST
- Applied unit testing with GoogleTest to validate correctness and robustness of core components
- Took ownership of technical decisions, risk mitigation, and final delivery

## AWARDS/CERTIFICATIONS

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**Top 100 – Codeforces Div. 3 Contest | Codeforces**

**June 2025**

**Applied Software Engineering Fundamentals Specialization | IBM Certification**

**March 2025**

**Cybersecurity Training & CTF Competition | Semicolon Academy**

**March 2025 – June 2025**

## EXTRACURRICULAR ACTIVITIES

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**IEEE – PU Student Branch**

**February 2024 – May 2024**

*President*

- Elected president of CS society, organized 20+ workshops, and represented students at the faculty level

**Computer Science Students' Peer Support– PU**

**November 2023 – February 2024**

*Tutor*

- Tutored 30+ peers on programming fundamentals and algorithms