

Abdullah Nasser - Software Engineer Graduate

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CAREER OBJECTIVE

Recent Computer Science graduate (December 2025) and 42 Beirut student with expertise in full-stack development, system programming, and software architecture. Experienced in Java, Spring Boot, React, Next.js, and C programming through academic capstone project and OGERO internship. Seeking software engineering opportunities to leverage technical skills in building scalable, modern applications.

EDUCATION

Bachelor of Science in Computer Science

Arab Open University | Beirut, Lebanon

Graduated: December 2025

42 Beirut - Core Curriculum | May 2025 - December 2026

Intensive peer-to-peer program emphasizing algorithms, system programming, and Unix through hands-on C projects.

PROFESSIONAL EXPERIENCE

Software Engineer Intern | OGERO (Ogero Telecom) | Beirut, Lebanon | August 2025 – October 2025

- Developed full-stack applications using React, Node.js, and Spring Boot with SQL/NoSQL databases
- Applied OOP principles and implemented data structures & algorithms (linked lists, binary trees, graphs)
- Contributed to bug fixing, code refactoring, automation scripts, and performance optimization
- Participated in code reviews, unit testing, and documentation using Git/GitHub in agile environment

CAPSTONE PROJECT (FINAL YEAR)

Public Transportation Platform (Transpo-Lebanon) May 2025 – December 2025 (Completed)

Full-stack transportation platform for Lebanon's public transit system with route management, driver registration, and real-time analytics dashboard.

- Architected N-Tier backend with Spring Boot (Java), Spring Security JWT authentication, and PostgreSQL
- Implemented Repository and DTO patterns with Spring Data JPA for clean architecture and SOLID principles
- Built responsive Next.js frontend with React, TypeScript and Tailwind CSS
- Integrated Leaflet.js geospatial mapping with OpenRouteService API for interactive route visualization
- Developed multi-role authentication (Admin/User/Driver) with RBAC and comprehensive form validation
- Created real-time analytics dashboard with Recharts and documented API with OpenAPI/Swagger

Technologies: Java, Spring Boot, Spring Security, Spring Data JPA, JWT, PostgreSQL, Next.js 16, React 19, TypeScript, Tailwind CSS, Leaflet.js, Maven, PNPM, OpenAPI/Swagger

PROJECTS - 42 NETWORK (C LANGUAGE & LINUX)

Libft - Custom C Standard Library

- Rebuilt 40+ C standard library functions (string manipulation, memory allocation, linked lists) with focus on efficiency and proper memory management

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ft_printf - Custom Printf Implementation

- Recreated printf function in C with full format specifier support, variadic arguments, and efficient buffer management

get_next_line - File Reader Function

- Built efficient file descriptor reader with custom buffering, supporting multiple FDs and optimal memory usage

Born2beroot - Linux System Administration

- Configured and secured Debian VM with SSH hardening, UFW firewall, AppArmor, and strict user/sudo policies

pipex - UNIX Pipeline Implementation

- Implemented shell-like pipeline behavior in C, handling process creation, pipes, redirections, and error management using UNIX system calls

push_swap - Sorting Algorithm Optimization

- Developed an efficient stack-based sorting program in C, optimizing algorithmic complexity and minimizing operation count under strict constraints

so_long - 2D Game Development

- Created a simple 2D game in C using the MiniLibX graphics library, implementing map parsing, event handling, collision detection, and game logic

TECHNICAL SKILLS

Programming Languages:

Proficient: Java, C, Python, JavaScript, TypeScript, SQL

Intermediate: C++, C#, PHP, Bash Scripting

Markup & Styling: HTML5, CSS3, Tailwind CSS

Web Development Frameworks:

- Frontend: Next.js, React, TypeScript, Tailwind CSS, Leaflet.js
- Backend: Spring Boot, Spring Security, Spring Data JPA, Node.js, Express.js

Database Management:

- Relational: PostgreSQL, MySQL,
- NoSQL: MongoDB
- ORM Tools: Hibernate (Spring Data JPA), Mongoose

DevOps & Tools:

- Version Control: Git, GitHub, GitLab, Bitbucket
- Build Tools: Maven, Gradle, PNPM, npm, Webpack
- CI/CD: Jenkins, GitHub Actions, GitLab CI
- Containerization: Docker, Docker Compose
- Cloud Platforms: AWS, Microsoft Azure, Google Cloud Platform

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Architecture & Design Patterns:

- N-Tier Architecture, RESTful API Design, Microservices-Ready Architecture
- Repository Pattern, DTO, Dependency Injection, MVC, SOLID Principles
- JWT Authentication, Spring Security, RBAC
- API Documentation: OpenAPI/Swagger, Postman
- Testing: JUnit, Jest, Agile/Scrum CI/CD

COMPUTER SKILLS

Operating Systems: Windows, Linux (Ubuntu, Debian, CentOS), MacOS

IDEs & Editors: Visual Studio Code, IntelliJ IDEA

Office & Productivity: Microsoft Office Suite, Google Workspace

Project Management: Jira

Documentation: Notion

LANGUAGES

English: Full Professional Proficiency (Speaking, Reading, Writing)

Arabic: Native Speaker

SOFT SKILLS

Problem-Solving & Algorithmic Thinking • Team Collaboration & Communication • Time Management • Adaptability & Rapid Learning • Code Quality & Debugging • Leadership • Technical Documentation

VOLUNTEERING & EXTRACURRICULAR ACTIVITIES

Leader / Volunteer | National Association for Local Development (NALD) | Beirut, Lebanon | 2017 – 2021

- Led community development projects focusing on youth empowerment and social initiatives
- Developed leadership, teamwork, and project management skills through grassroots work

Technical Community Engagement:

Active member of *42 Beirut*, engaged in peer learning, collaborative coding, tech talks, meetups, and open-source contributions.

CERTIFICATIONS & CONTINUOUS LEARNING

- AWS Cloud Practitioner, Docker/Kubernetes, CS50 (Harvard), Machine Learning (Stanford) - In Progress