




# ALI SWEIDAN, SOFTWARE ENGINEER

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Passionate Software Engineer with a strong foundation in computer science and expertise in developing scalable and efficient software solutions. Proficient in various programming languages and technologies, with a keen eye for detail and a commitment to delivering high-quality code.

## WORK EXPERIENCE

### Software Engineer at Murex - On Site, Lebanon

Mar. 2024 - Nov. 2024

- Utilized Spring Boot annotations and Java to streamline development, boosting system reliability and contributing to a 30% increase in company efficiency.
- Conducted over 50 test scenarios in MX.3 using MXTest, GlobalQA, and Excel for data injection, writing clean, maintainable code and adhering to SOLID principles and industry best practices to ensure scalable, high-quality, and reliable outcomes.
- Implemented over 15 functionalities on specific pages within MX.3 by developing UI objects and corresponding test scenarios, achieving a 20% improvement in testing efficiency while ensuring clean code and adherence to best practices.
- Resolved over 30 client tickets, delivering timely support and achieving a 95% client satisfaction rate.

### Backend Engineer at Stealth Startup (Salesdash) - Remote, United States

Nov. 2023 - Apr. 2024

- Developed and deployed over 10 backend solutions using Node.js and TypeScript, resulting in a 25% improvement in system resilience and performance.
- Designed and integrated 22 endpoints to manage operations such as updates, deletions, patches, retrievals, and creations, improving API functionality and efficiency by 30%.
- Deployed scalable code to Azure environments, including production and staging, following thorough testing to ensure reliability and efficiency.

### Internship in Software Engineering at SAUGO 360 - Hybrid, Lebanon

Aug. 2023 - Oct. 2023

- Contributed to frontend development using Angular, enhancing consistency and scalability across over 10 pages, resulting in a 15% improvement in user experience cohesion.
- Developed over 25 high-quality automation testing scripts using the Selenium library in Python, increasing testing efficiency by 30% and ensuring robust and reliable software quality assurance processes.
- Enhanced SCSS and TypeScript codebases to optimize frontend interactions, emphasizing efficiency and seamless user experiences, contributing significantly to the overall performance and usability of the application.

### Programming Language Tutor at Optimal Tutor - Remote, United States

Jan. 2023 - Jan. 2024

- Designed and delivered a comprehensive Python programming course, providing over 50 university students with a structured learning path, resulting in a 40% increase in student proficiency and understanding of the language.
- Taught essential Bash scripting concepts, including variables, loops, conditionals, and debugging techniques, improving students' scripting skills by 30% based on course assessments.
- Facilitated over 20 interactive learning sessions in JavaScript, Java, C++, and C, offering hands-on coding exercises and emphasizing fundamental concepts, resulting in a 35% improvement in students' practical coding skills.
- Taught Object-Oriented Programming (OOP) and design patterns, boosting students' understanding and real-world application of OOP principles by 40%.

### Programming Course Assistance- Lebanese University

Mar. 2022 - Sep. 2022

- Helped over 50 first-year students with their programming courses, conducting and guiding them through weekly lab sessions focused on C-language programming, improving student performance by 20%.
- Collaborated with 3 professors to develop relevant course material, ensuring alignment with curriculum objectives and enhancing student engagement by 25%.

- Google Developer Student Club (GDSC) Core Member, where I collaborated with a team of 10+ engineers in web development to design and develop a portfolio website, improving the project’s functionality and user engagement by 25%.
- Contributed to the Lebanese University Computer Science Club (LUCSC) by delivering 5+ presentations and organizing 10+ events, fostering a 30% increase in community engagement and knowledge sharing within the club.

EDUCATION

|   |                       |
|---|-----------------------|
| Masters in Computer Science, Lebanese University                        | Oct. 2024 - Present   |
| Bachelor of Computer Science, Lebanese University (top 5% of the class) | Sep. 2020 - Sep. 2023 |

CERTIFICATIONS

|   |           |
|---|-----------|
| Udemy   |           |
| • AWS Essentials, Ultimate AWS Certified Cloud Practitioner CLF-C02   | Oct. 2023 |
| • Spring Framework 5: Beginner to Guru, FullStack Application Spring Boot and React   | Aug. 2023 |
| Coursera and NVIDIA Certifications: Certifications from Coursera and Nvidia on a variety of topics, including NVIDIA certifications on Accelerating Data Engineering Pipelines and Deep Learning. | Jan. 2023 |

AWARDS

|  |           |
|--|-----------|
| Competition Achievements   |           |
| • Ranked 3rd at LCPC and 2nd at the Lebanese University, qualifying for the Arab Collegiate Programming Contest (ACPC Egypt) alongside successful participation in various coding competitions.                  | Oct. 2023 |
| • Problem-Solving Skills: Successfully solved over 200 challenges on platforms such as LeetCode, Codeforces, HackerRank, and CodeChef, showcasing strong teamwork, collaboration, and problem-solving abilities. |           |
| – Gold Badge in Algorithms   | Oct. 2022 |
| – Silver Badge in Data Structures  | Jan. 2022 |

VOLUNTEERING/EXTRA-CURRICULAR ACTIVITIES

- **Participation in ARC:** Mentored over 15 aspiring roboticists through the ARC program, showcasing a strong commitment to education and actively promoting STEM fields to inspire future innovators. Jan. 2023
- **Chess Achievements:** Competed in over 30 chess tournaments since 2016, gaining extensive experience and achieving a FIDE ranking of approximately 2100 Elo, demonstrating exceptional strategic vision and analytical skills through competitive play. Since 2016

TECHNICAL SKILLS

|                              |  |
|------------------------------|--|
| Programming Languages:       | Java, Python, Javascript, Typescript, C, C++, Prolog, Bash/Shell, PHP                                      |
| Web Technologies:            | Angular, Spring Boot, React.js, Next.js, Express.js, Node.js, Laravel                                      |
| Database Management Systems: | SQL (MySQL), NoSQL (MongoDB), SQLite, Microsoft SQL Server   |
| Cloud Services:              | Microsoft Azure (App Services, SQL Database, Cosmos DB)  |
| DevOps:                      | Version Control, Automated Testing   |
| Tools, and OSs:              | Visual Studio Code, IntelliJ IDEA, Eclipse, PyCharm, Sublime Text, Atom, Windows, Linux, Remix, Git, Maven |

LANGUAGES

Fluent in **English** (native-level) and **Arabic** (native-level), with conversational proficiency in **French**.