




# 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

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

*Nov.2023 - Feb*

- Implemented backend solutions using Node.js and TypeScript to enhance system resilience and performance.
- Developed 30 endpoints handling a variety of operations including updates, deletions, patches, retrievals, and creations.
- Orchestrated the setup of both frontend and backend environments for seamless development processes.
- Produced high-quality code across diverse technology stacks to meet project requirements.
- Participated in code reviews with team members, ensuring adherence to quality standards and best practices.
- Created automation testing scripts and data retrieval tools to facilitate comparison across various databases.
- Enhanced and optimized database queries to accommodate new data sources and integration with Salesforce.
- Deployed scalable code to Azure environments, including production and staging, following thorough testing to ensure reliability and efficiency.
- Optimized codebase to enhance efficiency and performance, resulting in faster execution and improved resource utilization.
- Assisted in optimizing SQL performance, resulting in a 20% enhancement in query efficiency.

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

*Aug.2023 - Sep.2023*

- Contributed to frontend development through multiple pages using Angular, ensuring consistency and scalability across different codebases.
- Proficient in Angular for frontend development, actively contributing to UI enhancements and user experience optimizations.
- Utilized the Selenium library in Python to develop high-quality automation testing scripts, ensuring robustness and reliability.
- Implemented and maintained testing scripts, rigorously verifying their functionality to guarantee flawless performance.
- Enhanced SCSS and TypeScript codebases to optimize frontend interactions, emphasizing efficiency and seamless user experiences.

### Programming Language Tutor - Remote, United States

*Jan.2023 - Jun.2023*

- Designed and delivered a comprehensive Python programming course for university students.
- Facilitated interactive learning sessions, providing hands-on coding exercises and real-world examples.
- Taught JavaScript through hands-on coding sessions to ensure students' comprehension and practical skills development.
- Instructed students in Java, C++, and C languages, emphasizing fundamental concepts and practical application.
- Taught Object-Oriented Programming (OOP) concepts and fundamental design patterns to provide students with a strong foundation in software architecture.
- Offered personalized guidance and support to students, ensuring their understanding and mastery of course material.

## EDUCATION

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**Bachelor of Computer Science**, Lebanese University

Sept 2020 - Sept 2023

## CERTIFICATIONS

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## Udemy

- Complete React Developer
- Spring Framework 5: Beginner to Guru
- Docker Kubernetes: The Practical Guide

**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.

## VOLUNTEERING/EXTRA-CURRICULAR ACTIVITIES

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### Competition Achievements

- Achievements: Ranked 8th at LCPC-2021 and 3rd at the Lebanese University, qualifying for the Arab Collegiate Programming Contest (ACPC Egypt) alongside successful participation in various coding competitions.
- 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.

### Programming Course Assistance

- Helped first-year students with their programming courses, conducting and guiding them through weekly lab sessions focused on C-language programming.
- Collaborated with professors to develop relevant course material, ensuring alignment with curriculum objectives and student learning outcomes.
- Assisted in creating exam questions and assignments, contributing to the assessment process and reinforcing student understanding of key concepts.

### GDSC and LUCSC Organizer

- Google Developer Student Club (GDSC) Core Member where I collaborated with engineers in the web development team on various technologies to develop a portfolio website
- Contributed to the Lebanese University Computer Science Club (LUCSC) through both presentation delivery and event organization. Played an active role in organizing and presenting various events, fostering knowledge sharing and community engagement within the club.

### Participation in ARC

- Participated in ARC as a mentor for aspiring roboticists, demonstrating my commitment to education and the promotion of STEM fields.

### Chess Achievements:

- Participated in numerous chess tournaments, gaining valuable experience and developing strategic vision and analytical skills through competitive play.
- Ranked at roughly 2000 Elo in FIDE, showcasing adept strategic and analytical skills.

## TECHNICAL SKILLS

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### Programming Languages:

Java, Python, Javascript, Typescript, C, C++, C#, Prolog, GO, Bash/Shell

### Web Technologies:

Angular, Spring Boot, React.js, Next.js, Express.js, Node.js, Asp.net, Laravel, Android Studio

### Database Management Systems:

SQL (MySQL), NoSQL (MongoDB), SQLite, Microsoft SQL Server

### Cloud Services:

Microsoft Azure (App Services, SQL Database, Cosmos DB)

### Containerization and Orchestration:

Docker, Kubernetes

### DevOps:

Version Control, Automated Testing

### Tools, and OSs:

Visual Studio Code, IntelliJ IDEA, Eclipse, PyCharm, Sublime Text, Atom, Windows, Linux, Remix, git