

# Assaad El Halabi

+5567996558081 | [Email](#) | [Website](#) | [LinkedIn](#) | [GitHub](#) | Brazil

## OBJECTIVES STATEMENT

---

Results-oriented Backend and DevOps Engineer with 5+ years of experience engineering, developing, and managing scalable Backend services using Python, Node.js, Typescript, Java and cloud infrastructure using AWS. Proven ability to lead development teams, implement robust CI/CD pipelines, and integrate complex systems.

## EXPERIENCE

---

### Thoughtful AI

07/2025 – Present

*Forward Deployed Engineer*

- Engineered custom backend solutions for complex healthcare workflows, including API orchestration and secure data transfer.
- Embedded with provider teams to deploy Thoughtful's Revenue Cycle Automation platform (Python, RPA, Django).
- Collaborated cross-functionally to tailor solutions to real operational needs in healthcare environments.
- Led end-to-end deployments from code to delivery, handling configuration, troubleshooting, and optimization.

### Oreyeon

07/2022 – Present

*Software Engineer III*

- Engineered robust containerized Node.js/Python microservices, achieving 99.9% SLA and reducing time-to-insight by 85%.
- Automated 90%+ of manual batch-handling tasks via reusable microservices, cutting operational overhead by over 80 hrs/month.
- Built end-to-end CI/CD pipelines with GitHub Actions and AWS CodePipeline—reduced deployment lead time by 60%.
- Implemented CMMC Level 1 and 2 compliances across backend systems and cloud infrastructure.
- Built a platform that accelerated team operations like batch assignment (20 min → 35 s), payment calculations (1 hr → 39 s).
- Collaborated cross-functionally with product, ML, and ops teams to maintain 99.9% uptime for airport-critical applications.

### American University of Beirut (AUB)

01/2021 – 06/2021

*Software Engineer*

- Contributed to Khaddit Beirut initiative: automated data pre-processing and visualization pipelines in Python.
- Developed a custom Django dashboard to explore blast-impact datasets, enabling dynamic filtering and geospatial insights.

## EDUCATION

---

### AWS Certified Developer – Associate

05/2025 – 05/2028

Credential ID: 7eb3bfd205b844ea990a13bfc6ffc910

### OnRamp Lebanon - Fast-Track to Senior Bootcamp

04/2024 – 08/2024

*Intensive bootcamp focused on advanced software engineering practices, system design, and leadership skills.*

### American University of Beirut (AUB)

09/2018 – 02/2024

*MS in Computer Science (Full scholarship – MEPI)*

*BS in Computer Science (Full scholarship – USAID)*

## PROJECTS

---

### CollaBoard

05/2024

- Collaborative Whiteboard supporting real-time user interaction. OnRamp Bootcamp's final Project.

### AraDialAug

02/2024

- Master's Thesis: Arabic Conversational models powered by meta-learning and paraphrase-augmentation with little data.

### JSColab

04/2023

- Zero-setup, notebook-style environment for JavaScript/React prototyping; supports dynamic npm/CSS imports and markdown.

## SKILLS

---

**Backend & APIs:** Node.js, AWS Lambda, Django, Docker; **Databases:** MySQL, PostgreSQL, SQL Server, AWS RDS;

**Cloud:** AWS, Azure; **CI/CD & DevOps:** GitHub Actions, Jenkins, Docker, Kubernetes, Ansible, Docker Compose;

**Programming Languages:** Python, Java, JavaScript, TypeScript, C++, Bash; **Tools:** Git, Svn, Jira, ClickUp, Confluence, Slack.

**Languages:** Arabic (Native), English (Proficient), Portuguese (Proficient), Spanish (Intermediate)