

Sami Halwani

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DevOps Engineer and Backend Developer with 8 years of software experience (5 professionally), specializing in AWS infrastructure, cloud automation, and scalable system design. Proficient in AWS services including Lambda, S3, with a focus on performance, reliability, and automation. Seeking a DevOps, Backend, or Systems Engineering role building cloud-native applications.

Core Skills

Languages: Python, C++, C#, Java, JavaScript, HTML/CSS

Cloud & Infra: AWS (Lambda, SQS, API Gateway, EC2, ECS, S3, Aurora, IAM, VPC, CloudFormation, Secrets Manager, CDK)

DevOps & Tools: Docker, Git, GitHub Actions, AWS CodePipeline/CodeBuild, CI/CD, Agile/Kanban, Postman, JIRA

Databases: Amazon Aurora (MySQL-compatible), DynamoDB, MySQL, NoSQL

Specialties: Backend Development, Workflow Automation, Scalable Architecture, System Integrations, Algorithm Design

Professional Experience

Backend Software Engineer

Get My Auto

November 2020 – Present

SaaS company specializing in automotive dealership software.

- Automated secure dealer document workflows using AWS Lambda, API Gateway (REST API), and S3. Implemented a randomized double-hash protocol and auto-populated 80–90% of form data, increasing productivity by ~400%.
- Built/Maintained four microservices to support high-throughput data processing pipelines, reducing onboarding latency by 20%.
- Led AWS-focused R&D to migrate legacy infrastructure to cloud, improving scalability and reducing operational overhead.
- Designing CI/CD pipelines to enable fully automated infrastructure provisioning and application delivery.
- Created OpenAI-powered SEO automation tools, producing 400+ blog articles and 50+ dealership landing pages while cutting content costs and increasing publishing efficiency by 300%.
- Trained and supported 500+ dealership users on the Get My Auto platform, driving adoption and maximizing operational impact.

Founder and CEO

Majeks Software LLC

October 2022 – Present

R&D for SaaS tools in cloud automation and business operations

- Developing a CMS backed by AWS Lambda, S3, and Aurora to streamline inventory, accounting, and marketing operations.
- Deployed scalable cloud applications with AWS CDK and CloudFormation, adhering to infrastructure-as-code (IaC) standards.
- Developing CI/CD pipelines using AWS CodePipeline, CodeBuild, and GitHub Actions to automate testing and deployment.
- Integrated AWS S3 and Lambda for real-time file processing, enhancing data flow and reducing manual tasks.
- Leveraged Amazon Aurora (MySQL-compatible) for low-latency, highly available database operations.
- Secured microservices using AWS IAM and Secrets Manager for fine-grained access control and credential management.

Software Support Representative

AutoProcessor

December 2018 - March 2020

Inventory distribution System designed for automating and streamlining Event Ticket Distribution.

- System-to-Event Mapping of over 2,000 venues/events distributed by AutoProcessor
- Technical product support and training of 200+ Clients.
- Authored 10+ client side and internal training material, keeping up with updates to AutoProcessor System.

Education

B.S. Computer Science

California State University-Fullerton

August 2016 – December 2019

- Dean's List (4 consecutive semesters)
- Focus in Backend Optimization & Systems Engineering
- Member of SHPE and Titan Rover robotics team.

Courses & Certifications:

- AWS Solutions Architect – Associate (SAA-C03) – Issued: May 2025**
- AWS Developer Associate (DVA-C02) – Tentative: Aug 2025**

Projects:

MyMajeksPortal | <https://github.com/sami-halwani1/mymajeksportal-scripts>

Amazon Web Services Backed CMS for small to mid-sized businesses, supporting inventory, product exports, accounting, SEO, and user management. Designed for flexibility, scalability, and ease of use.