

# Alla Salah

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## SUMMARY

Dedicated Software Engineer with deep AWS expertise and a track record delivering scalable, enterprise-grade cloud solutions and event-driven architectures. Passionate about cloud engineering, with a focus on enhancing application architectures to improve resiliency, scalability, and performance, while maintaining a cost-conscious mindset. Recently recertified as an AWS Certified Developer – Associate and earned the AWS Certified Solutions Architect – Associate certification, reinforcing advanced knowledge of AWS services. Played a key role in designing and implementing AWS application code enhancements to enable multi-region failover, improving system resiliency strategies to ensure business continuity. Executed comprehensive feature validation to ensure production stability, and leveraged GitHub Copilot to streamline the creation of technical documentation. Utilized Amazon Web Services technologies including CDK (TypeScript) for infrastructure as code (IaC), deploying AWS CloudFormation stacks, along with AWS (Route 53, API Gateway, Lambda, SQS, SNS, EventBridge, ECS Fargate, EC2, S3, CloudWatch, IAM, DynamoDB, Amazon Aurora RDS PostgreSQL, RDS, Step Functions). Contributed across the full SDLC, from requirements gathering through technical implementation and deployment. Currently using Python to automate JIRA ticket creations for CSPMs.

## SKILLS & EXPERTISE

• **Programming:** Java • SQL • NoSQL • TypeScript/JavaScript • Python • Node.js • Spring Framework • Maven • Gradle • REST API Development • **Tools:** • PuTTY • FileZilla • Postman • Elastic ELK • Dynatrace • Docker • **IDEs:** • Eclipse • IntelliJ • **DBMS:** • Toad • Microsoft SSMS • **Cloud:** • AWS • Azure • Snowflake • **CI/CD:** GitHub Actions, Jenkins, & Azure ADO • **Testing:** • Junit • Jest • Mockito • Perfecto • Artillery • **Documentation:** • Swagger OpenAPI Spec • Atlassian Jira • Confluence • **Security:** • Microsoft Entra for Authentication & Authorization • Okta • Sonar • Wiz.io

## CERTIFICATIONS/CLOUD EXAMS COMPLETED

AWS Cloud Practitioner, AWS Certified Developer Associate, AWS Certified Solution Architect Associate. Azure Fundamentals, Azure Administrator Associate, & Azure AI Fundamentals

## EXPERIENCE

Principal Financial Group | Des Moines, IA

### Sr. Software Engineer I

2023 – Present

As a member of the Account Management Team, I help lead a small Scrum team develop and maintain back-end Java Spring Boot microservices using Agile practices, support PI planning, bridge team knowledge gaps, and share practical ways to incorporate AI tools like GitHub Copilot into day-to-day processes to improve efficiency.

- Perform project management duties that require collaboration with cross-department lead engineers throughout a project lifecycle and update business stakeholders on progress, challenges, and milestones risks.
- Remediate security vulnerabilities identified through Wiz scans within established SLAs for applications owned by my team, while also providing technical guidance and mentorship to fellow engineers across other teams to support timely resolution of their security findings.
- Mentor a talented group of junior engineers on the team and assist with day-to-day development activities.
- Participate in GitHub Pull Request code reviews and provide constructive feedback to improve quality of code.
- Troubleshoot and resolve production issues, and optimize system performance using tools such as Dynatrace, Elastic Stack (ELK), and Amazon CloudWatch to identify bottlenecks and system inefficiencies.

Walgreens Boots Alliance | Chicago, IL

### Software Engineer II

2022 – 2023

- Supported the Digital Offers Team as one of the technical lead engineers maintaining full-stack applications.
- Implemented a new JavaScript package for the online retail value platform, contributing to revenue growth by integrating third-party APIs to enhance data analytics, utilization, and data sharing across departments.
- Improved the efficiency of the value platform's Spring Batch data intake system by using multithreading.
- Maintained both the back-end Java Spring REST APIs handling user interactions on the online value platform and the front-end customer-facing view using Node.js, React, HTML, and CSS.

**Software Engineer II**

2019 – 2022

- Helped lead development initiatives that drive innovative solutions to accurately process medical claims.
- Used Core Java to expand the features and processing capabilities of proprietary Medical Claims Processing Systems that re-price more than \$6 billion annually in medical claims for the top ten health insurance payors.
- Improved the level of systems documentation which improved application understanding and maintainability.
- Coded multiple application enhancements using Java to comply with No Surprises Act regulatory requirements.
- Mentored junior engineers, conducted code reviews, and participated in pair programming sessions.

Jaggaer (formerly Bravo Solution) | Chicago, IL

**Collaborative Sourcing Engineer**

2014 – 2019

- Successfully researched new core product feature enhancements and implemented them using core Java.
- Helped lead a teamwide initiative to improve the quality of deliverables by collaborating with management and the QA team to standardize the testing overall testing process.
- Developed front-end Transportation Sourcing & Contract Management applications using Java Server Pages.

Sedgwick CMS | Memphis, TN

**IT Application Analyst**

2013 – 2014

- Used Toad DBMS to write complex SQL queries to analyze financial costs incurred by clients to reconcile and identify outliers from verified third-party reports.
- Improved knowledge in Agile practices, problem solving, team collaboration, and communication skills.

**EDUCATION**

Loyola University | Chicago, IL

2017

**Master of Science, Software Engineering**

University of North Alabama | Florence, AL

2013

**Bachelor of Science, Computer Science****PROJECTS**

A Cloud-based web application that utilizes various AWS Services such as S3, Lambda, DynamoDB, SNS, and API Gateway  
<https://allasalah.com>

**CERTIFICATION URLs**

AWS Cloud Practitioner:

<https://cp.certmetrics.com/amazon/en/public/verify/credential/ZHC1ZPSK4BQ1Q0G5>

AWS Certified Solutions Architect – Associate. Validation # 9efe8b68af2c4e00ac0f0022a9c08c4b

Validate at: <https://aws.amazon.com/verification>

AWS Certified Developer:

<https://cp.certmetrics.com/amazon/en/public/verify/credential/W0J1Y3S2WJV11SCP>

Azure AI Fundamentals:

<https://learn.microsoft.com/en-us/users/alla-3403/credentials/a683719f1194139a>

Azure Fundamentals:

<https://learn.microsoft.com/en-us/users/alla-3403/credentials/79a10f2288c90838>

Azure Administrator Associate:

<https://learn.microsoft.com/en-us/users/alla-3403/credentials/c291c014603cc63b>