HAMZA JAVED

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Senior Cloud Engineer with 6+ years of experience architecting scalable, serverless solutions on AWS for global e-commerce brands like PrettyLittleThing and Boohoo, specializing in microservices and high-traffic retail platforms.

EDUCATION

Bachelors in Science Software Engineering, International Islamic University   August 2013 - September 2017

SKILLS

Technical Skills	JavaScript, TypeScript, Node.JS, Nest.JS, Python, SQL, Azure Databricks, Azure Datalakes, AWS Jira, Agile, TDD, Jest, Sentry, Jenkins, Github Actions, CI/CD, System Design, EC2, ECR, ECS, Lambda, S3, SNS, SES, SQS, Lambda, CDK, RDS, Athena, Glue, Azure blob storage, Queues, Azure SQL database, Azure Service bus queues, Azure durable function, Redis, Elastic Search, Algolia.
Certifications	AWS Certified Developer (DVA-C02), AWS Certified Solutions Architect (SAA-C03), Azure Fundamentals (AZ-900) (Gearing up for it)

EXPERIENCE

Senior Backend Engineer / Data Engineer   Jul 2025 - Current
Serverless Guru (consulting engineer on Air Canada's enterprise cloud project)   *Remote, Berlin*

- Engaged as a consulting engineer via Serverless Guru on Air Canada's enterprise cloud initiative, contributing to backend and data engineering tasks within a modern Azure ecosystem.
- Designed and developed scalable backend services using Python, ensuring maintainability, test coverage, and production-readiness.
- Built and optimized ETL pipelines in Databricks using PySpark and Delta Lake, processing large volumes of structured and unstructured airline operations data.
- Engineered cloud-native data workflows with Azure Data Factory, Functions, Event Grid, and Blob Storage, ensuring efficient orchestration and data movement.
- Implemented data cleaning, transformation, and delta loading mechanisms to power downstream analytics and reporting systems.
- Actively participated in cloud architecture decisions, infrastructure automation, and performance tuning for critical pipelines and services.
- Collaborated with cross-functional teams including analysts, product managers, and data scientists to deliver robust, production-grade data solutions.

Tech Stack: Azure (ADF, Functions, Blob Storage, Durable Functions, Monitoring), Databricks, Delta Lake, PySpark, AWS Lambda, DynamoDB, Python, SQL, Node.js
Tools: Git, Azure DevOps (CI/CD), JIRA

Senior Software Engineer (Backend)   March 2020 - Jun 2025
Softoo (Working for a client - Prettylittlething)   *Remote*

- Spearheaded the backend infrastructure for high-traffic e-commerce platforms, optimizing microservices to handle millions of user requests during peak periods with minimal latency.
- Architected and implemented serverless solutions on AWS, including Lambda functions, DynamoDB, and API Gateway, ensuring scalability and resilience.

- Collaborated with DevOps to streamline deployment pipelines and resource management, supporting continuous delivery and efficient operations for brands like PrettyLittleThing.com and Boohoo.com.
- Contributed to the development of a marketplace application for PrettyLittleThing, enabling users to buy and sell items. Leveraged a tech stack including KoaJS, AWS Lambda, DynamoDB, S3, Bloomreach, Algolia for advanced search, React, AWS Rekognition for image recognition, and AWS Comprehend for text profanity matching. Built to handle a large number of requests during peak hours, ensuring a smooth user experience.

Sr. Software Engineer (Backend) January 2018 - Feburary 2020
Baskt *Islamabad, Pakistan*

- Led backend development for Baskt.com, a high-traffic e-commerce grocery platform in the US, ensuring efficient and scalable architecture using Node.js and AWS services.
- Architected and deployed serverless solutions on AWS Lambda, DynamoDB, API Gateway, and S3, significantly reducing infrastructure costs and improving application scalability.
- Implemented core features for the cloudhostels.com online booking platform, optimizing backend processes for seamless user experience and real-time booking management.
- Developed and integrated RESTful APIs for front-end communication using Angular 8, enhancing performance and user experience across the platform.
- Optimized application performance by implementing advanced caching strategies and efficient database queries, resulting in a 30% reduction in response times.
- Monitored and improved system reliability using AWS CloudWatch, ensuring 99.9% uptime during peak traffic periods.
- Collaborated closely with front-end teams to ensure seamless integration and deployment of new features, aligning with agile development practices.

Software Engineer Feb 2017 - October 2017
Micro Merger *Islamabad, Pakistan*

- Migrated 5+ monolithic modules to microservices, resulting in a 25% improvement in API response time.
- Overhauled core infrastructure services, including authentication and configuration, enhancing performance for a user base of 50K+.
- Standardized logging and in-house API documentation, implemented monitoring suites, reducing cloud costs by over 15%.
- Designed and executed a custom architecture for distributed transactions across microservices, reducing data inconsistencies during failures by 80%.

OPEN-SOURCE & FREELANCE (Upwork)

- Top Seller Plus on Upwork, specializing as a Senior AWS Cloud Engineer and Backend Developer, earning over $100K+ with a consistent 5.00 rating across multiple projects.
- Delivered a backend MVP using Python and AWS, receiving a 5-star rating for exceptional work from Oct 2022 - Sep 2023.
- Served as a Solution Architect and Backend Developer, completing the project with top reviews between Jan 2022 - Jun 2022.
- Specialized in Serverless frameworks and AWS solutions, including a project for senior-level expertise in Node.js, AWS Lambda, and Terraform from Nov 2021 - May 2022.
- Developed a NodeJS Workflow Engine with rapid turnaround, praised for speed and skill, back in Dec 2021 - Mar 2022.
- Executed a complex backend MVP with Python, AWS, and Docker, delivering quick and effective solutions with a 5-star rating from Sep 2021 - Mar 2022.
- Successfully ported an AWS EC2 pipeline to AWS Lambda, earning a 5-star rating in Jan 2022 - Feb 2022.

- Provided AWS NoSQL database engineering expertise, particularly with DynamoDB, OpenSearch, and AppSync, delivering 291 hours of work from Oct 2021 - Dec 2021.
- Mentored and freelanced on a complex AWS Lambda/NodeJS project, receiving excellent feedback from Oct 2021 - Dec 2021.
- Offered specialized Node.js scripting assistance, completing the task promptly with a 5-star review in Oct 2021.
- Developed a Node Web Scraper, earning a high rating from Mar 2021 - Apr 2021.