Ahmad Afraz Khan

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SUMMARY

I bring four plus years of experience as a software engineer in tech startups and the services sector. Skilled in designing and developing robust web backends, serverless solutions, and microservices, with a strong focus on utilizing cloud technologies, particularly AWS. Solid background in provisioning infrastructure and establishing efficient deployment pipelines, leveraging CI/CD processes. Currently, I am seeking an exciting new opportunity to further enhance my skill set in the backend realm, enthusiastic to learn new tech if required.

EXPERIENCE

NorthBay Solutions, Andover MA — *Software Engineer II*

Remote July 2021 - PRESENT

The.Site (A fashion-tech startup, innovating in the luxury brand retail industry)
Tech | NodeJS, TypeScript, ExpressJS, AWS, CI/CD, Containers *April 2021 – Present*
- Designed, developed and migrated existing authentication system to Amazon Cognito.
- Implemented REST-based backend modules, ensuring clean and efficient code.
- Proactively provisioned and refined infrastructure scripts with evolving requirements.
- Built and maintained robust CI/CD pipelines capable of handling cross-account and multi-account deployments.
- Planned and executed software releases across multiple application environments.
- Played a pivotal role in identifying and resolving issues within the backend and deployment services, demonstrating strong debugging and troubleshooting abilities.

After the original DevOps resources left the company, I stepped in for that role , saving the customer the cost of a full-time DevOps engineer to this day.

NorthBay Solutions, Andover MA — *Software Engineer I*

Remote July 2019 - June 2021

IBL (NorthBay team migrated IBL's critical SAP workload to AWS)
Tech | Python, AWS, SAP, Security, Networking *Dec 2020 – April 2021*
- Successfully implemented custom changes to the company's core migration automation framework, tailored to meet specific customer requirements.
- Collaborated closely with the customer's security team to define key security events and recommend optimal practices from AWS.
- Automated the identification and resolution of security and non-conformance events using a combination of Amazon CloudFormation, CloudTrail, Lambda, and SNS.
- Developed comprehensive and user-friendly run books, documenting security events, notification processes, and step-by-step remediation procedures.

QAF (An in-house functional testing framework for enterprise data lakes)
Tech | Python, PySpark, AWS, ETL, Microservices *Sept 2019 – May 2020*
- Created data transformation scripts to extract valuable insights and facilitate reporting.
- Innovated and constructed a module for managing resource-level permissions.
- Designed and developed authentication module utilizing Amazon Cognito.
- Developed serverless microservices using the AWS serverless stack*(Lambda, DynamoDB, API Gateway, SES, and more)*.

McKinsey & Company — *Apprenticeship Program*

June 2022 - Dec 2022

- Learned and practiced McKinsey's hypothesis-led problem-solving methodology.
- Led an 8 member group in planning, scheduling, and executing the analyses, and tasks.

4 Pillars Technologies, Lahore PK — *Intern*

May 2018 - Aug 2018

Tech | Javascript, AJAX, JQuery, Bootstrap, HTML, CSS, PHP Symphony
- Implemented UI functionality using AJAX and JQuery.
- Assisted the UI team with styling and responsiveness-related bug fixes.

SKILLS

ARCHITECTURE
Serverless, Monolithic, Microservices, Event-driven

BACKEND DEVELOPMENT
TypeScript, Python, NodeJS, ExpressJS

INFRASTRUCTURE
Infrastructure as Code((Amazon CloudFormation), Amazon SAM

CI/CD
Amazon CodePipeline, Amazon CodeBuild, Amazon CodeDeploy

CONTAINERS
Docker, Amazon ECS

EDUCATION

University of Engineering and Technology, Lahore

B.Sc. Computer Science, **2019**

CERTIFICATIONS

AWS Certified Developer Associate (link)
AWS Partner Accreditation Technical (link)
McKinsey Forward Program (link)

PROJECTS

hush-hush
A personal password wallet.
memeter
Text memes generator.

VOLUNTEERING

Tag Moderator @ DEV.to

LANGUAGES

English (Fluent) • Urdu (Native)

IELTS Academic (7.0 Bands/ C1 CEFR)

INTERESTS

Basketball • Space Science Art • Logging Dev Work • Truck Simulation • Constant Self Improvement