

Basit Anwer

Senior Software Engineer

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SKILLS

API Protocols

GraphQL, Protobuf, REST

AWS

EC2, Lambda, RDS, ECS, EBS, SQS, S3, SDK

Databases

Postgres, MySQL, MSSQL, Redis, MongoDB, NCache

Java

Jupiter, Guava, JMeter, JGroups

Javascript

TypeScript, NodeJS, React, Redux, Apollo, TypeGrahpQL, Prisma

DevOps

Docker, GitHub Actions, Terraform, Shell

Python

Django, Beautiful Soup, Scrapy, Selenium

.Net

C#, WPF, protobuf, ASP.NET

PROFESSIONAL EXPERIENCE

Capabl, Solution Architect ✉

(Typescript, NodeJS, Docker, GitHub Actions, Postgres, Redis, AWS, Digital Ocean)

Oct 2021 – present

Remote, USA

- Designed & built an analytics SaaS product serving 1000+ database queries per second from the ground up.
- Architected the SaaS product to provide 99.9% uptime with strong reliability & resilience.
- Designed and built public & internal GraphQL APIs with backward compatibility.
- Established a minimum code coverage requirement of 90% & implemented tools to track and enforce it.
- Hired and trained the team to maintain & improve the product.

Vectara (ExGoogle Engineers), Senior Software Engineer ✉

(Java, React, Javascript, Python, Docker, ChatBot, AI, Protobuf)

Oct 2020 – Oct 2021

Remote, USA

- Developed backend & frontend of the SaaS product (React, protobuf, Java, protobuf)
- Designed & developed a document converter accurate up to 99% with speeds reaching up to 800+ docs/minute (Python, Java)
- Created a fully automated testing solution to benchmark and test our APIs. (including Fuzz Testing & Selenium)

LMKR/Haliburton, Team Lead ✉

(.Net, C#, WPF, C, GPU, HLSL, 3D Engine, DirectX, Azure, Docker)

Mar 2019 – Oct 2020

(Hybrid Work), Pakistan

- Improved application performance by 200% by performing refactoring & architectural changes. Also maintained product SDK.
- Overhauled legacy deployments into CI/CD methodology.
- Reduced cloud costs by analyzing usage in Azure by 60%.

Alachisoft / NCache, Solution Architect ✉

(.NET, Java, Python, Redis, NoSQL, Distributed Computing, Map Reduce)

Aug 2015 – Feb 2017

Islamabad, Pakistan

- Introduced MapReduce in NCache as a distributed computing framework.
- Part of a team developing a NoSQL database.

SocialSynopsis, Co-Founder

(Python, Javascript, NodeJS, .Net, Java, MySQL, HBase)

Jan 2014 – Jun 2016

Islamabad, Pakistan

- Built a Data/ML pipeline that sifts through 100 million tweets & Facebook posts to provide business intelligence reports.
- Increased user retention by 2x by engaging customers & updating the dashboard UX.
- Automated machine provisioning in AWS using SDK.

- Lead a team of developers and testers to release a new product from scratch.
- Major improvements in JGroups [↗](#) Cluster algorithm to split-brain problems and fixed 5 major clustering issues.
- Improved performance of NCache by 20%.

COURSES

AWS Specialisation , <i>Coursera</i> ↗	2021
AWS Addressing Security Risks , <i>Coursera</i> ↗	2021
AWS Serverless Applications , <i>Coursera</i> ↗	2021
AWS: Migrating to the Cloud , <i>Coursera</i> ↗	2021
AWS: Cloud Native , <i>Coursera</i> ↗	2021
Machine Learning - Andrew Ng , <i>Stanford Online, Coursera</i> ↗	2019
Text Mining and Analytics , <i>Coursera</i> ↗	2016
Text Retrieval and Search Engines (With Honors) , <i>Coursera</i> ↗	2016

VOLUNTEERING

International Center for Journalists (ICFJ) , <i>Product Lead</i> ↗ "Shikari" is a SaaS product that removes Twitter bots from hashtags using machine learning. Challenges Fake news.	2020 Remote
International Center for Journalists (ICFJ) , <i>Data Engineer</i> ↗ https://www.dawn.com/in-depth/spam-sms "Your price tag has a number" ↗ , a data-based report published by DAWN about how spam SMS messages thrive in Pakistan.	2019 Remote
Human Rights Pakistan , <i>Data Engineer</i> Categorizing Human rights violations in rural areas using data science with FIR cases.	2018 Pakistan
Hacks/Hackers Islamabad , <i>President</i> ↗ "International community Hacks" (journalists) and "hackers" (technologists) work together to create physical and digital spaces for exploring new ways to tell stories.	2015 Pakistan
Civic Hackathon , <i>Awaaz</i> Awaaz is all about giving voice to the under-represented issues in the Pakistani community through social media data analysis and data visualizations	2015 Pakistan
Lets Help Educate , <i>Co-Founder & Finance Head</i> "Let's Help Educate" is a non-profit organization and a group of professionals from different industries who collectively work towards providing free education to deserving students in rural areas.	2012 – 2014 Pakistan

EDUCATION

Computer Engineering , <i>National University Of Science & Technology</i> ↗ <ul style="list-style-type: none">- Deep understanding of computer architecture ensures an extra edge in understanding computer sciences.	2005 – 2009 Islamabad, Pakistan
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LANGUAGES

Urdu
Native

English
Fluent