Akash Panchal

Experienced software engineer with over 7 years of expertise designing, developing, and debugging scalable backend systems, cloud platforms, and mobile applications using Python, Java, AWS, and modern frameworks. Skilled at collaborating cross-functionally to deliver robust solutions, with a passion for expanding technology skills and keeping up with the latest advancements. Talented at quickly mastering new languages and frameworks to build optimized and reliable products.

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Work History

2024-02

Senior Software Engineer - Salesforce (Marketing Cloud)

- present

Java | LWC | Javascript | AWS

Software engineer in the SMS last-mile team, enabling a common transport layer for Salesforce internal services and external clients.

• Evaluating and Integrating SMS aggregator for last mile pipeline

2021-10 - 2023-08

Software Development Engineer 2 - Amazon (Appstore)

Java | Python | AWS (Fargate, SNS, S3) | Docker | ReactJS

- Led the design and development of the AutoFailure framework to automate developer communication for App testing failures helped increase the zerotouch provisioning (ZTP) rate by ~6.5%
- Reduced false negative rate of automation testing by 12% through several optimizations, decreasing manual testing overload.
- Designed and implemented window manipulation for Automatic testing of Android Apps on Windows. Enabled testing for a suite of 200,000 apps for Windows devices.
- Improved query performance and reduced data retrieval time for App details API by 50%

2018-12 - 2021-07

Backend Software Engineer - McAfee (SHP)

Python | AWS | Memcache | Cassandra | DynamoDB | Android

- Decreased the DB storage and Network calls by up to 40% for a Router API by optimizing data flow design.
- Fixed the critical subscription failure cases that led to DDOS-like attacks from routers.
- Reduced the partner-specific changes by 50% by generalizing the custom changes in the core solution.
- Implemented scalable custom feature-set module to support different router models and versions.

2017-11

Android Software Engineer - McAfee (SafeConnect)

- 2018-12

Android | VPN

- Implemented a VPN SDK wrapper for the partner Apps and core App to consume
- Developed custom Network state machine to support Auto-start VPN and Activity-log feature.

2016-06 - 2017-10

Backend Software Engineer - McAfee (Apps Scanner)

Python | MySQL | MongoDB | Flask | AWS

- Achieved higher throughput of the app scanners by slashing repeat scanning of the Android Apps up to 5000 per day.
- Designed and Implemented a pipe-filter service to process APK data using pluggable codes.



Skills

Java

Python (Flask|FastAPI)

Javascript | ReactJS

MySQL | PostgreSQL | DynamoDB

AWS



Personal Info

Website

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LinkedIn

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GitHub

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Address

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LessenText

https://lessentext.com

Medium

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Education

2014-07 - 2016-05

CS, Master's Degree

Nirma University, Ahmedabad

2009-08 - 2013-05

CS, Bachelor of Engineering

NSIT, Jetalpur, Ahmedabad