

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.

Work History

- 2021-10
- 2023-08
- Software Development Engineer 2 - Amazon (Appstore)**
Python | Java | Postgres | 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 zero-touch 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%
 - Mentored an intern and actively contributed to project planning in Agile
- 2018-12
- 2021-07
- Backend Software Engineer - McAfee (SHP)**
Python REST | 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
- 2018-12
- Android Software Engineer - McAfee (SafeConnect)**
Android | ORM | Java | REST | 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 | Javascript
- 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)
AWS
Algorithms and data structures
System design
Javascript/ReactJS/NextJS
MySQL/PostgreSQL/DynamoDB

Personal Info

Website

<https://akashpanchal.com>

Email

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Phone

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LinkedIn

<https://linkedin.com/in/akashp1712>

GitHub

<https://github.com/akashp1712>

Address

Dabhan, Gujarat, India - 387320

LessenText

<https://lessentext.com>

Medium

<https://akashp1712.medium.com>

Education

2014-07 - 2016-05

CS, Master's Degree

Nirma University, Ahmedabad

2009-08 - 2013-05

CS, Bachelor of Engineering

NSIT, Jetalpur, Ahmedabad