

# Akash Panchal

## Software Development Engineer

Software engineer with 6+ years of experience in designing, implementing and debugging backend software components, cloud services and Mobile SDKs in an Agile environment. Developed products primarily using Python, Java and AWS services. Excited to learn new languages, frameworks and platforms.

### Work History

2021-10  
- present

#### Software Development Engineer 2 - Amazon Appstore

*Amazon | Python | Java | Postgres | AWS*

- Successfully reduced False Negatives of static testing by 12%, helped minimizing the manual efforts required for validating apps.
- Design and implemented window manipulation for Automatic testing of Android Apps on Windows, around 200K apps will be tested using the same.
- Improved UX for promotion portal on App store retail page and Developer portal
- Optimised the queries and data retrieval time for App details by 50%
- Mentored an intern and contributed in project planning in Agile

2018-12  
- 2021-07

#### Backend Software Engineer - McAfee

*McAfee | Python | Cassandra | Android | DynamoDB | AWS*

Working as a Backend Software Engineer to provide custom SHP solution to an ISP partner.

- Decreased the DB storage and Network calls 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.

2017-11  
- 2018-12

#### Android Software Engineer - Safe Connect McAfee

*McAfee | Android*

Android SDK and App developer for the VPN client App - Safe Connect

- 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 features

2016-06  
- 2017-10

#### Backend Software Engineer - Apps Scanner McAfee

*McAfee | Python | MySQL | MongoDB*

- 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.

### Side Projects

- 2021-07

*Text Summarization using Extractive Algorithms*

<https://lesstext.com>

Developing this side project using NextJS, Python and Generative AI.

### Personal Info

#### Website

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#### LinkedIn

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Bellandur, Bengaluru - 560103

#### Medium

<https://akashp1712.medium.com>

### Skills

Python ★★★★★

Java ★★★★★

AWS ★★★★★

Data Structures & Algorithms ★★★★★

ReactJS/NextJS ★★★★★

PostgreSQL ★★★★★

### Education

2014-07 - 2016-05

**Computer Science, M.Tech**

*Nirma University, Ahmedabad*