Akash Panchal

Software Development Engineer

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

2023-09 - present

Founder & Fullstack Developer - LessenText.com

Developed and launched a SaaS application for Text Summarization.
- Designed and implemented core components including db schema, API routes and web app UI
- Built the frontend using the Next.js framework
- Built custom API for extractive text summarization to reduce Generative AI cost by 70%

2021-10 - 2023-08

Software Development Engineer 2 - Amazon (Appstore)

Python | Java | Postgres | AWS | Docker

- Design and Development of a major component 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 by 12% through optimizations, helping to minimize the manual efforts required for validating apps.
- 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 UX for promotion portal on App Store retail page and Developer portal
- Improved query performance and reduced data retrieval time for App details by 50%
- Mentored an intern and contributed to project planning in Agile

2018-12 - 2021-07

Backend Software Engineer - McAfee (SHP)

Python | Cassandra | Android | DynamoDB | AWS | Flask

- 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.

2017-11 - 2018-12

Android Software Engineer - McAfee (SafeConnect)

- 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

AWS

Algorithms and data structures

System design

Javascript/ReactJS/NextJS

MySQL/PostgreSQL/DynamoDB

Personal Info

Website
https://akashpanchal.com

Email
akashp1712@gmail.com

Phone
+91 8722513026

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

Computer Science, Master's Degree

Nirma University, Ahmedabad