Akash Panchal

Software Development Engineer

Experienced software engineer with over 7 years of expertise designing, building, and debugging robust backend systems, cloud services, and mobile SDKs using Python, Java, and AWS. Adept at collaborating cross-functionally in fast-paced Agile environments. Eager to continue expanding skills into new languages, frameworks, and platforms to deliver high-quality products. Known for quickly mastering new technologies and coding best practices to optimize system performance and reliability.

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Work History

2023-09 - present

Founder & Fullstack Software Engineer - LessenText.com

Bootstrapped a micro-saas with the vision of improving UX for Text Summarization.

- Designed and implemented core components including db schema, API routes and web app UI
- Implemented app frontend using NextJS app router
- Implemented custom extractive text summarization API to reduce Generative AI cost

2021-10

Software Development Engineer 2 - Amazon (Appstore)

Python | Java | Postgres | AWS

- Design and Development of a major component of the AutoFailure framework to automate developer communication for App testing failures helped to increase ZTP by ~6.5%
- Successfully reduced False Negatives of static testing by 12%, helping to minimize 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
- 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 (SHP)

Python | Cassandra | Android | DynamoDB | AWS

- 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
- Developed custom Network state machine to support Auto-start VPN and Activity-log feature.

2016-06

Backend Software Engineer - McAfee (Apps Scanner)

- 2017-10

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.



System design

Python

Java

AWS

Data Structures & Algorithms

ReactJS/NextJS





2 Personal Info

Website

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LinkedIn

https://linkedin.com/in/akashp1712

GitHub

https://github.com/akashp1712

LessenText

https://lessentext.com

Medium

https://akashp1712.medium.com



2014-07 - 2016-05

Computer Science, M.Tech

Nirma University, Ahmedabad