

Akash Panchal

Software Engineer

Software Development Engineer with 4+ years of experience in Cloud development and Mobile development. Experience in designing micro-service application. Hands-on experience of working on the cross-platform communication flows, debugging availability and performance issues in the cloud. A regular contributor to Opensource and Medium for Machine Learning.

Work History

- 2018-12
- present

Software Engineer - Secure Home Platform
McAfee, Bengaluru

Working as a Cloud Software Engineer to provide custom SHP solution to an ISP partner.
 - Reduced the partner-specific changes by 50% by generalizing the custom changes in the core solution
 - Fixed the critical subscription failure cases that led to DDOS-like attack from the routers
 - Implemented scalable custom feature-set module to support different router models and versions
 - Decreased Database storage and Network calls up to 40% for a Router API by optimizing data flow design.
- 2017-11
- 2018-12

Software Engineer - Safe Connect
McAfee, Bengaluru

Safe Connect is a security App that provides secure network access using VPN service.
 - Created the VPN interfaces for the end-product (Android) to consume
 - Developed custom Network state-machine to support Auto-start VPN and Activity-log features
- 2016-06
- 2017-10

Software Engineer - Mobile Apps Scanner and WebAdvisor
McAfee, Bengaluru

 - URLs rating aggregation for False-Positives and False-Negatives
 - Email reporting for cumulative download stats (different sources) from the service logs
 - Improved pipe-filter design to reduce the memory footprint of apk metadata processing
 - Increased the throughput of the app scanner by reducing repeat scanning of the Android Apps up to 5000 per day

Learning and Development

System Expert

<https://certificate.algoexpert.io/SystemsExpert%20Certificate%20SE-3a9c5d6287>

NLP Algorithms implementation

- Word Frequency Summarization
 - TF-IDF Summarization
 - TextRank Summarization
- <https://github.com/akashp1712/nlp-akash>

Personal Info

Email
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LinkedIn
linkedin.com/in/akashp1712

GitHub
github.com/akashp1712

Education

2014-07 - 2016-05

Nirma University, Ahmedabad
M.Tech, Computer Science

Skills

Python	★★★★★
Java	★★★★★
Problem solving	★★★★★
Cloud computing	★★★★★
Android	★★★★★
SQL	★★★★★

Side Projects

Pythonizr

<https://pythonizr.com>

Pythonizr generates boilerplate code for the machine learning development.

Text Summarization

<https://share.streamlit.io/akashp1712/streamlit-apps/>

<https://github.com/akashp1712/summarize-webpage>

Python cheat sheet

<https://github.com/akashp1712/python-cheat-sheets>