

Akash Panchal

Analytical software engineer with 5 years of experience in designing, implementing and debugging backend software components and Mobile SDKs in an Agile environment. Developed products primarily using Python and Java, but excited to learn new languages, frameworks and database systems.

Work History

2018-12 - present	Backend Software Engineer - Secure Home Platform <i>McAfee</i> Working as a Cloud Software Engineer to provide custom SHP solution to an ISP partner. Tech Stack includes Python, Go, Cassandra, Redis, DynamoDB, Kafka, AWS, Terraform, Android <ul style="list-style-type: none">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 routersImplemented scalable custom feature-set module to support different router models and versionsOnboarded and Oversaw new mobile developers to have smooth delivery of the SDKs to the partner
2017-11 - 2018-12	Android Software Engineer - Safe Connect <i>McAfee</i> Android SDK and App developer for the VPN client App - Safe Connect <ul style="list-style-type: none">Implemented a VPN SDK wrapper for the partner Apps and core App to consumeDeveloped custom Network state-machine to support Auto-start VPN and Activity-log features
2016-06 - 2017-10	Backend Software Engineer - Mobile Apps Scanner <i>McAfee</i> Tech Stack: Python, Flask, XML, MySQL, MongoDB, <ul style="list-style-type: none">Achieved higher throughput of the app scanners by slashing repeat scanning of the Android Apps up to 5000 per dayDesigned and Implemented a pipe-filter service to process APK data using pluggable codes

Side Projects

Pythonizr https://pythonizr.com Pythonizr generates boilerplate code for the machine learning development.
Webpage Summarization https://github.com/akashp1712/summarize-webpage
Python cheat sheets https://github.com/akashp1712/awesome-python-cheatsheets

Personal Info

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Skills

Python	★★★★★
Java	★★★★★
Javascript	★★★★★
Cloud computing	★★★★★
Data Structures	★★★★★

Education

2014-07 - 2016-05
Nirma University, Ahmedabad
<i>M.Tech, Computer Science</i>