Avi Menon

A lifelong learner and developer excited about the distributed world and fast-paced cloud teams

@ avijitmenon@gmail.com   📞 408-649-8705   in linkedin.com/in/avi-menon/   ○ github.com/avilegit

SKILLS

Programming   C++ ● Java ● Javascript ● Python ● Bash ● Git

Technologies   Storm ● Hadoop ● Redis ● Jenkins ● CircleCI

Cloud Tools   AWS ● Heroku ● MongoDB ● Docker ● Kubernetes

Intrapersonal   Communication ● Presentation ● Teamwork

EXPERIENCE

Software Engineer
Apple Inc.

📅 March 2019 – Ongoing   📍 Cupertino, CA

- Designed a client-server IPC service in C++ to query health and state on production audio software which reduced regressions by 28%
- Implemented MongoDB integration to persist expected hardware information to profile various Apple products
- Created dashboards to visualize packet loss in bluetooth music and to monitor test pipeline health using Javascript, and Splunk
- Improved integration and unit test coverage by 35% and setup several CI pipelines on Jenkins for a test-driven workflow

Engineering Project Manager (Intern)
Apple Inc.

📅 Sept 2017 – Dec 2017   📍 Cupertino, CA

- Developed a dashboard in Python to analyze and monitor software test suite metrics like RAM usage and performance timing
- Led the coordination of international contract manufacturers to schedule product builds and meet tough deadlines

Software Tools Developer (Intern)
Apple Inc.

📅 Sept 2016 – Dec 2016   📍 Cupertino, CA

- Designed and implemented a powerful playback and recording engine with Objective-C for music validation on the acoustics organization
- Deployed a REST API with Express.js and jQuery for uploading and sharing acoustic test results on MongoDB

iOS Software Engineer (Intern)
Apple Inc.

📅 Jan 2016 – Apr 2016   📍 Cupertino, CA

- Delivered iOS test applications for various audio software prototypes in Objective-C and Swift for data visualization and bug triaging
- Developed a suite of stress tests on Matlab for various virtual studio technology tools and software DSP applications

EDUCATION

BASc. Honours Electrical Engineering
◎ **University of Waterloo**

📅 Sept 2013 – June 2018

IOT and Cloud Systems   Database Systems
Operating Systems   Computer Security
Data Structure and Algorithms

Relevant Online Courses

Cloud Applications I: Infrastructure
Cloud Applications II: Big Data Applications
Distributed Programming in Java
AWS Serverless APIs   HTTP | Web Servers

PROJECTS

Twitter Now
🐦 **Twitter API ● Storm ● Java ● Redis**

📅 Aug 2019 – Sept 2019

Aggregation of current top Twitter mentions and hashtags using Twitter firehose and visualized with D3

Mindful Music
🟢 **Spotify API ● Node.js ● Python ● D3**

📅 May 2019 – Jul 2019

Analysis and visualization of recently listened songs and their contributions to the listener's mood using musical characteristics

Colabor8
✔ **Node.js ● MongoDB ● Socket.io**

📅 Mar 2019 – Apr 2019

Real-time chat room and task tracking for team collaboration

MORE ME

🎵 **Music Producer**
Check me out!

🏋 **Fitness Enthusiast**
Find me at my desk or the gym

📖 **Avid Reader**
Lots of mystery and sci-fi