

Nithin Gangadharan

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EDUCATION

Candidate for Master of Science in Computer Science, Northeastern University, Boston, MA Sept 2019 - Present
Programming Design Principles, Information Retrieval, Algorithms, Web Development, Computer Graphics GPA - 4.0

Bachelor of Engineering in Computer Engineering, University of Pune, Pune, India Aug 2010 - May 2014
First Class with Distinction

TECHNICAL KNOWLEDGE

Programming: Python, Javascript-React, Typescript, Java, Go
Databases/Caches: Redis, MySQL, MongoDB, ElasticSearch
Message Queues: Kafka, Google Pub-Sub
Others: Git, Mac OS X

EXPERIENCE

Software Engineering Intern, Klaviyo, Boston, MA Jun 2020 - Dec 2020

- Migrated a standalone Redis backed system into Redis Sentinel cluster for higher availability
- Moved portions of the code in the web backend into asynchronous tasks, so that the web-tier responds faster and is not blocked by the time-consuming tasks
- Deployed UI features in React for the SMS-marketing web-app that allowed forms to be more compliant when collecting messages

Senior Software Development Engineer, Media.Net, Pune, India Aug 2018 - Jul 2019

- Designed and implemented a backend prediction service, which was part of a larger mobile crawler system, that helped predict future pages from existing crawled data
- Built multiple Single Page Applications(SPA) in **React** and hosted it on **Firebase**. Some of the sites were dashboards that helped monitor revenue for existing services in the company
- Mentored an intern for 3 months, on iOS and Javascript applications. Managed their day-to-day tasks and helped get their code into live projects

Software Developer, Media.Net, Pune, India Dec 2016 - Aug 2018

- Built iOS ad-sdks in **Objective-C** - dedicated ad-sdks that supported Banner, Interstitial and Video ads, and a Header-Bidding ad-sdk with Banner and Interstitial ad-slots
- Built an iOS mobile-crawler-sdk, that crawled the mobile apps it was injected into, and obtained data for delivering higher quality contextual advertisements
- Designed apis for the ad-sdks in **Golang** and **Node.js**, hosted in **Google Cloud Functions**, backed by **Google Datastore**
- Built a tool to automate testing of the iOS ad-sdk. The tool injects the ad-sdk into enterprise-signed iOS client applications. This tool debugged client issues and helped the team, in discovering integration issues with new client applications.

Software Engineer, Ignite Solutions, Pune, India Apr 2015 - Dec 2016

- Joined a team of 9 engineers at a services startup, creating technical solutions for web and mobile applications
- Created **RESTful** apis for a social networking application, using **PHP** and **Python** in **Google App Engine**, with **Google CloudSQL** as the primary database
- Maintained an iOS application written in Objective-C, fixed major implementation issues and improved performance

Associate Software Engineer, ACI Worldwide, Pune, India Jul 2014 - Mar 2015

- Built payment adapters (endpoints between two payment systems) using a **Java** based tool
- Contributed in the development of the tool and helped build initial prototype solutions

SIDE-PROJECTS

Flavors.macro, github.com/gnithin/flavors.macro Feb 2019 - Jul 2019

- Built babel macro that generates different flavors of a react application at build-time.

ios-dylib-inject, github.com/gnithin/ios-dylib-inject Apr 2018 - May 2018

- Built a script to inject a dynamic library into an enterprise-signed iOS application binary(ipa) and resign it. This was built for the purpose of debugging iOS framework files.