

# Nithin Gangadharan

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## SUMMARY

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I am pursuing my Masters in Computer Science at Northeastern University, Boston. I have been writing software professionally for 5 years. I have experience writing code for the web (vanilla JavaScript, and React), mobile frameworks (iOS - Objective-C) and backend services (Golang, JavaScript, Python, PHP) in different languages. I have worked with various SQL and NoSQL databases and have extensively used Google Cloud Platform(GCP) and Firebase ecosystems for deploying services.

## EDUCATION

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**Master of Science in Computer Science**, Northeastern University, Boston, MA Sept 2019 - Current

**Bachelor of Engineering in Computer Engineering**, University of Pune, Pune, India Aug 2010 - May 2014

**Score:** 67.98% (First Class with Distinction)

## SKILLS

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Programming:	Javascript, React, Go, Python, Objective-C
Databases/Cache:	MySQL, MongoDB, ElasticSearch, Dgraph, Redis
IDE:	VSCode, GoLand, Vim
Message Queues:	Kafka, Google Pub-Sub
Others:	Git, Mac OS X

## RELEVANT EXPERIENCE

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

- Media.net is a contextual ad-firm. I was part of the Mobile engineering team that was responsible for building end to end mobile-ads solutions.
- Designed and implemented a backend prediction service, which was part of a larger crawler system, that helped predict future pages/screens from existing crawled data.
- Built multiple Single Page Applications(SPA) in **React** and hosted them on **Firebase**. Some of the sites were customized dashboards, for existing services in the company.
- Mentored an intern for 3 months, on iOS and Javascript applications, and helped get their code into live projects.

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

- Built an iOS ad-sdk in **Objective-C**, that supported Banner, Interstitial and Video ads.
- Built an iOS mobile-crawler-sdk, which was used in-house to help deliver contextual advertisements. The crawler-sdk, once injected into an application, traversed through all screens periodically and sent application data to a backend service.
- Developed the corresponding apis for the 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 was very useful in debugging client issues and helped the team in discovering integration issues with new client applications, and ensured backward compatibility in new releases.

**Software Engineer**, Ignite Solutions, Pune, IN Apr 2015 - Dec 2016

- Ignite Solutions was a services startup. I joined a team of 9 engineers.
- 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.
- Built multiple responsive websites, using **Bootstrap** and **JQuery**.

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

- ACI Worldwide is a payment systems company. I was part of the transactions-tooling team.
- Built payment adapters (endpoints between two payment systems) using a **Java** based tool.
- Contributed in the development of the tool, and performed multiple bug-fixes.