

Nithin Gangadharan

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Available from July 2021

EDUCATION

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| 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

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| 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

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| Software Engineering Intern, Klaviyo , Boston, MA | Jun 2020 - Dec 2020 |
| <ul style="list-style-type: none">Migrated a standalone Redis backed system into Redis Sentinel cluster for higher availabilityMoved 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 tasksDeployed 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 |
| <ul style="list-style-type: none">Designed and implemented a backend prediction service, which was part of a larger mobile crawler system, that helped predict future pages from existing crawled dataBuilt 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 companyMentored 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 |
| <ul style="list-style-type: none">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-slotsBuilt an iOS mobile-crawler-sdk, that crawled the mobile apps it was injected into, and obtained data for delivering higher quality contextual advertisementsDesigned apis for the ad-sdks in Golang and Node.js, hosted in Google Cloud Functions, backed by Google DatastoreBuilt 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 |
| <ul style="list-style-type: none">Joined a team of 9 engineers at a services startup, creating technical solutions for web and mobile applicationsCreated RESTful apis for a social networking application, using PHP and Python in Google App Engine, with Google CloudSQL as the primary databaseMaintained 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 |
| <ul style="list-style-type: none">Built payment adapters (endpoints between two payment systems) using a Java based toolContributed in the development of the tool and helped build initial prototype solutions | |

SIDE-PROJECTS

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| Flavors.macro , github.com/gnithin/flavors.macro | Feb 2019 - Jul 2019 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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. | |