

Nischith Javagal Panish

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Portfolio - <https://nischithp.github.io/>

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GitHub - <https://github.com/nischithp>

Summary

Graduate Student at The University of Texas at Arlington with 4+ years of academic experience in developing Web Applications using HTML, CSS, PHP and 2+ of academic experience in developing Android/iOS applications using Java/Swift. Experienced in Swift, Agile, Git, Kubernetes, Docker and cloud services like AWS and GCP.

Education

- Masters in Computer Science - **University Of Texas at Arlington** - May 2021 3.54/4 GPA
- Bachelors - Computer Science & Engineering - **Don Bosco Institute Of Technology** - August 2019 7.1/10 CGPA

Skills

Languages : Java, Python, Swift

Web Technologies : HTML5, CSS, JavaScript, ReactJS, PHP, Flask

Cloud Technologies : AWS- Lambda Functions, EC2, Load

Balancer; GCP – Cloud Functions, Kubernetes Engine, App

Engine, Firebase, Cloud Storage, Cloud SQL ; IBM Cloud – DB2

Development Methodologies : Agile, Scrum

Source Control : Git

Database Technologies : MySQL, SQLite, Firebase, phpMyAdmin, IBM DB2

Platforms : XCode, Android Studio

Internships

Nineleaps - January-June 2019, Bangalore, India

- Built a multi-page iOS application using Swift with Core Location, Table and Collection Views along with Alamofire
- Was part of an Agile team, sharing responsibilities of testing and development as the role demanded. Demonstrated the application to the Product Owner at the end of a Sprint.
- Optimized the codebase to make the application use significantly lesser memory during runtime by replacing View Controllers instead of pushing them into the view.
- Built entire application from scratch in 5 months, with previously minimal knowledge of tools required to develop it.

Turbizo – July – August 2018, Bangalore, India

- Worked on building analytical reports for specific use cases using PHP, JavaScript, HTML5, CSS and Bootstrap.
- Worked as a sole developer to completely build more than 10 pages of reports within 15 days for the company.

Projects

API based Video Sharing Platform on Google Cloud – (GitHub)

(Skills Used: Cloud Functions, REST API, JSON, Python, Flask, Cloud Storage, HTML, CSS, Bootstrap, Kubernetes, Containers, Cloud Build, Clusters)

- Designed and built multiple RESTful API's that interact with Cloud MySQL and GCS and hosted them on Cloud Functions
- Used Google Kubernetes Engine to host a website built with Python-Flask where users can upload and view videos
- Created Container images, wrote the YAML files and deployed them to Kubernetes clusters on the GKE. These were then exposed using a service to the Public internet.

Multi-Threaded Client Server Project- (GitHub) - (Skills used: Java, Swings, Multi-Threading, Sockets, Files)

- Designed and built a distributed file system using Sockets and Threads in Java
- Implemented multi-threading on the server side to handle multiple client requests at the same time
- Enabled Server File Directory sync and de-sync on client request and maintained folder consistency on server and client

Disaster Visualization

(Skills used: PHP, EC2 creation and maintenance, JavaScript, HTML, CSS, Bootstrap, AWS Load Balancing, JMeter)

- Built and hosted a website from scratch using HTML, CSS, JavaScript and PHP on an AWS EC2 instance
- Implemented load balancing and auto-scaling groups using a saved AMI, triggered based on network usage
- Effectively tested the auto-scaling groups by using JMeter to simulate different loads on the website

Ford iOS Application (Skills Used: Swift, Third-party libraries, Maps SDK, Agile, MVC, CocoaTouch, XCode)

- Worked with Core and third-party Swift libraries [Alamofire (for REST API calls), Google Maps SDK (Geocode and Reverse Geocode)] with Cocoapods as the dependency manager.
- Developed the application in an Agile environment using MVC design pattern and developed Unit Test cases.