**Narain**

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**EDUCATION**

**Master of Science in Computer Software Engineering Expected Dec 2021**

San Jose State University (SJSU), CA

**Bachelor of Technology in Computer Engineering** **Jun 2018**

Indus University, IndiaGPA: 3.37/4.0

**Relevant Coursework**

Enterprise SW Platforms, Enterprise Distributed Systems, Web UI Design, Datastructures & Algorithms, Object-oriented Analysis and Design, Operating Systems, Artificial Intelligence, Computer Networks, Cloud Computing & Database.

**SKILLS**

**Languages:** C#, Java, C, C++, JavaScript, PHP, SQL, HTML5 ,CSS | **Databases:** MS-SQL, MySQL, MongoDB, Redis

**Web Technologies:** NodeJS, ReactJS, AngularJS, REST APIs, .Net MVC, .Net Core, Bootstrap, jQuery, Ajax

**Cloud Technologies:** Azure, AWS EC2, ECS, ECR, Docker | **Source Control Management:** Git, TFS

**Work Experience**

**Hypeteq Software Solutions - Software Developer April 2019 – Dec 2019**

**Backend System for a marketing tool on WeChat Platform**

* Developed various microservices like CMS, CRM, Account, Authentication, Broadcast, Analytics in .Net Core Framework and deployed them on Azure Cloud.
* Optimized the Broadcast module to allow a user to send 3 million messages in less than 250ms.
* Designed Azure Function apps to scrape daily data for each user from WeChat Analytics.
* Built automated testing tool using Azure Logic Apps to verify the core APIs of all microservices & send error notification via email in case of failed requests.
* Performed scalability testing using JMeter, refractored the code & implemented threading for concourrent requests.

**IOT Solution for Wind Farms & Solar Power Stations**

* Developed a full-stack application using RESTFUL APIs, .Net MVC & Razor Markup.
* Built POC for complete project flow i.e sending data from a Raspberry PI , collecting data at Azure IOT hub, inserting it into SQL database and showing results on user’s dashboard.
* Reduced the cost beared as penalty by the client for lesser enery generation by 25% by showing accurate energy generation values using signal-R and SQL dependency injection.

**Gateway Technolabs – Project Trainee Jan 2018 – Aug 2018**

* Trained in full-stack development in Html, CSS, Bootstrap, .NET MVC ,Angular 4 & MS-SQL.
* Worked with other interns on a project to collaborate students with potential universities using custom point-matching algorithm using SQL stored procedures.

**Academic Projects**

**Handshake Prototype**

* Created distributed Handshake prototype using MERN stack & deployed on Amazon EC2.

**Email Spam Filter**

* Created spam filter to determine the probability of a mail being a spam using Naïve-Bayes probabilistic classifier.
* Used 1000 training files and achieved accuracy of 95% in test set of 200 files.

**Bug Tracking systems**

* Created a portal to manage the life-cycle of a bug. Key features : Monthly bug reports, searching facility to bug history & track the bugs which re-apper.

**Certifications**

* Microsoft Solutions Developer (MCSD), **2020**
* Microsoft Solutions Associate (MCSA), **2020**