

NIRJA PATEL

nirja.patel11@gmail.com | +1-469-516-2873 | <https://www.linkedin.com/in/nirjapatel1101>

EDUCATION

The University of Texas at Dallas, *Master of Science in Information Technology and Management*

GPA: 3.58

Dallas, Texas

August 2018

Gujarat Technological University, *Bachelor of Engineering in Information Technology*

Gujarat, India

GPA: 3.52

June 2012

CERTIFICATION:

AWS Certified developer – Associate

Microsoft Professional Certification for HTML5, CSS3 and JavaScript (70-480)

TECHNICAL SKILLS

Programming : Node.js, Java, JavaScript, SQL

Frameworks : Spring Boot, Node.js, Apigee, Junit test framework, AngularJS

APIs : RESTful, GraphQL, SOAP web service, microservice

Tech Stack : AWS services, Kafka, Docker, Kubernetes, Jenkins, Git, Postman, Insomnia, Swagger, Redis, Ruby on Rails

Database : Vertica, MySQL, Postgress, MongoDB, JPA

PROFESSIONAL EXPERIENCE

Massmutual Life Insurance Inc. (Boston, Massachusetts) | *Software Developer*

Nov 2019 – Present

- Working as team lead and lead developer for an Enterprise API team who owns more than 150+ micro-services and 45+ APIs to support key insurance use cases such as claims and payment processing, customer service, policy management, underwriting, etc.
- Analyzed requirements and efficient designed technical solutions using event driven and micro service-based architecture.
- Developed code components for Node.js APIs and Spring Boot micro services adhering to best practices and security standards.
- Utilized AWS services and Kafka streaming to ensure zero-fault tolerance for customer operations and transaction processing.
- Adhered to security standards such as OAuth 2.0 for API authentication and authorization ensuring secure data access.
- Created comprehensive API documentation using Swagger, facilitating easier onboarding for third-party developers.
- Developed and enhanced proprietary Node.js packages and Java SDKs for common functionalities such as Kafka message schema verification and event publishing, caching, RESTful API calls, logging, and security authorization, etc.
- Deployed services on a cloud platform using Kubernetes and used CI/CD pipelines with Jenkins to automate builds.
- Mentoring a team of 6 members in task analysis, debugging, code reviews, and testing to ensure successful project delivery.

MathWorks Inc. (Greater Boston Area, Massachusetts) | *Software Developer*

Oct 2018 – Nov 2019

- Involved in designing and discussing requirement gathering, functional and architecture design, test strategy and code reviews
- Engaged in development, bug fixing and root cause analysis for the features developed in Javascript dojo and Java Springboot
- Created a test tooling strategy for porting light weight MATLAB Live Editor to MATLAB Mobile app used by cross functional teams
- Developing APIs and test it under internal build system used to support test tooling for MATLAB Mobile using Java and Appium

MathWorks Inc. (Greater Boston Area, Massachusetts) | *Web Application Engineering Intern*

Jan 2018 – June 2018

- Developed a **NodeJS** application using **Probot framework** to automate operations performed on Github repositories such as initiating automated tests on pull-review creation, code review reminder, to-do task creation, etc.
- Created and deployed an application of securely publishing blogs on WordPress portal using REST API and NodeJS
- Saved 80% of user's time by automating the process of publishing live scripts to WordPress by creating a **MATLAB** utility
- Worked on a GitHub Integration project sharing real-time MATLAB code on internal ShareDrive portal build on **Ruby and Rails**

Cuemed Inc. (Dallas, Texas) | *Software Engineering Intern*

Jun 2017 - Aug 2017

- Engaged in analysis, design and development of app features for a client facing application to facilitate medical services to patients
- Improved app feature using libraries and plug-ins such as **Cordova**, PhoneGap, angularartics and ui-tour for an **NodeJS** app
- Introduced **Google Analytics** for monitoring client's behavior and traced matrices for business improvement using **AngularJS**
- Designed and developed patient's medicine intake analysis and data visualization based on various factors in **D3** and **HighCharts**

Tata Consultancy Services (Mumbai, India) | *Software Engineer*

Oct 2012 - Jul 2016

- Involved in design, implement, development and integration software code modules for IT based solution for banking clients
- Developed 6 highly interactive Single Page Applications in Angular JS to demonstrate wealth management products to customers
- Saved \$20K p.a. for the client by proposing and delivering value-added service to analyze and track bug recovery processes
- Worked under agile development process for 3 applications for forecasting customer portfolio growth and analysis build using **C#**
- Enhanced and bug-fixed of 8 WCF packages based on **Service oriented architecture** associated with different banking operations
- Developed reusable code components for common functionalities using NuGet packaging consumed by **MVC** based applications
- Volunteered in **project management** activities by contributing into resource allocation, performance metrics and audit documents