

Swamy Saidulu Mudiga

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Expected Graduation: May 2025

Education

Northeastern University | Boston, MA

Expected May 2025

Master of Science in Software Engineering Systems

- Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Web Design, and User Experience Engineering, Enterprise Software Design

University of Mumbai | India

Aug 2014 – Jun 2018

Bachelor of Engineering in Electronics

Technical Skills

Programming Languages: C#, Java, Node.js, Python, JavaScript, Typescript

Web Technologies: Angular, RESTful Web Service, HTML, CSS, SASS, Bootstrap, Spring MVC

Databases: MS SQL Server, SQL, SSIS, SSRS, Oracle PLSQL

Tools: ArcGIS, Jenkins, Ansible, Apache Solr, Splunk, Git, GitHub, SVN, TFS, Bitbucket, RabbitMQ, Microsoft Service Bus

Frameworks: React, ASP.Net Core, ASP.Net MVC, ASP.Net, Entity Framework, ADO.Net, WCF, WWF

Methodologies: Jira, System Development Life Cycle (SDLC), Confluence

Certifications: Azure - Fundamentals ([Certificate Link](#)), Security Compliance and Identity Fundamentals ([Certificate Link](#))

Work Experience

Department of Design and Construction | New York, US

Mar 2022 – Aug 2023

Software Developer | C#, Angular 13, Typescript, ArcGIS, MSSQL, SSIS

- Demonstrated proficiency in **Web Development** by implementing a **3-tier architecture** integrating ArcGIS Map services using **C#, Angular 13, Typescript**, and **MSSQL** to programmatically display map pins and multiple map layers with a focus on showing search results.
- Utilized **ETL** development with **SSIS** to seamlessly transfer data between databases, thereby eliminating reliance on source systems. Used **OAuth** to implement user **authentication** and **authorization** to access ACP web application.

Accenture | Hyderabad, India

Jul 2021 – Aug 2023

Application Development Analyst | C#, Angular 6, Apache Solr, MSSQL, SSIS, SSRS

- Implemented **Multithreading** using **C# .Net** as a Software Developer to concurrently index and commit six object values in **Apache Solr**, effectively reducing indexing time by **1/4th** compared to the previous indexing time
- Implemented an **Alphabetical Search** feature utilizing **AngularJS, HTML, CSS, and JavaScript**. Enabled users to select a letter, prompting the display of products, and documents, whose names commence with the chosen letter
- Refine **business requirements** by thoroughly analyzing stories, documenting tasks in **Confluence**, and conducting analysis. Present the **analysis** through a demo to the team lead, incorporating feedback for adjustments. Ultimately, deliver a finalized analysis to **stakeholders** through a comprehensive demonstration.

Tata Consultancy Services | Mumbai, India

Jun 2018 – Jul 2021

System Engineer | C#, AngularJS, JavaScript, HTML5, CSS

- Designed and developed **front-end** user interfaces and **health insurance** premium estimations using **Angular JS, JavaScript, HTML5, CSS, and Bootstrap**, while creating the backend with **C# .NET** and the MVC framework
- Exercised attention to detail in transitioning a **Microsoft Silverlight-based** application to **HTML5**. Implemented the Code First Entity Framework, eliminating dependencies on Silverlight.
- Facilitated **communication and knowledge transfer** to a new member by providing insurance domain insights.

Projects

E-Commerce Website | Java, Spring Boot, Hibernate, AngularJS, JSP, ES6 | Boston, US

Jan 2024 – Apr 2024

- Developed a resilient e-commerce platform, innovatively integrating **HTML5, CSS3, jQuery, JavaScript, AJAX, Angular 4.0 JS, and Spring Boot 4.0** for frontend and backend development.
- Initiated a seamless payment feature and optimized customer journey, deploying the Spring Boot application on **AWS EC2 instances, leveraging Amazon RDS, S3, and CloudFront** for robust performance and reliability

Refugee Connect Website | React, Node.js, Express.js, Mongoose.js, Next.js, MongoDB | Boston, US **Jan 2024 – Apr 2024**

- Implemented a web application utilizing the **MERN** stack to cater to three distinct user roles – Refugee, Users, and Admin – thereby enabling comprehensive **CRUD** functionalities tailored to their specific needs.
- Integrated **JWT** token-based authentication for secure user access, ensuring validated sessions across multiple web routes and automatic token destruction upon session expiry or logout, bolstering **system security and user privacy**.
- Leveraged **internationalization (i18n)** for seamless multilingual support, used Vitejs to implement **Progressive Web App (PWA)** features, and integrated **MapBox, Google API** for directional assistance, enhancing user experience.