

Srinivas Veerla

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SUMMARY

Software developer with **2 years of experience** and a *Master's in Computer Science* at SUNY Buffalo. Possessing excellent problem-solving skills and experienced in building enterprise-grade Full Stack web and desktop applications.

SKILLS

Languages/ Databases: Python, C#, HTML/CSS, Typescript, JavaScript, Go, MS SQL Server, PostgreSQL, MongoDB

Technologies: Django, React, .NET, WPF, Entity Framework, Blazor, Azure, Spark, Hadoop

Developer Tools/Skills: Git, Jenkins, Visual Studio, Postman, Docker, GitHub Actions, Figma, Jira

Others: Unit Testing, Distributed Systems, System Design, Event-Driven Systems, Microservices, SDLC, IIS, Agile Scrum

WORK EXPERIENCE

Software Developer | Wipro | Bengaluru, India

Feb 2021 - Jul 2022

- Spearheaded the development of a WPF application, ground-up using MVVM architecture, implementing a log collection utility tool for a product generating \$640 million in revenue.
- **Led a team of three** in migrating calendar and email services to Microsoft Exchange Server, achieving a 20% reduction in loading time.
- Elevated the reliability and performance of an MVC-based client application by developing new functionalities and crafting robust unit and integration tests for seamless component integration.
- Managed CI/CD pipelines on Jenkins to deploy builds for development and QA testing.

Skills: C#, WPF, ASP.NET, Microsoft SQL Server, Application Architecture, NUnit, Git, Jenkins, Docker, Figma, BitBucket

Associate Software Developer | Wipro | Bengaluru, India

Sept 2020 - Feb 2021

- Improved operational efficiency by developing robust backend for an internal resource booking system, **reducing dependency delays from days to minutes**.
- Developed and deployed a suite of Restful APIs to serve a React frontend, with user roles, integrated calendar-based resource booking, search, among others, **designed to meet the needs of a 60-member team**.

Skills: Django, React, PostgreSQL, Git, Docker

EDUCATION

University at Buffalo, State University of New York

Buffalo, NY

Master of Science in Computer Science (GPA - 3.4/4)

Aug 2022 - June 2024

Relevant courses: Analysis of Algorithms, Distributed Systems, Data Models Query Language

Vellore Institute of Technology

Chennai, India

Bachelor of Technology in Electronics and Communication (GPA - 3.3/4)

July 2016 - May 2020

Relevant courses: Object Oriented Programming, Operating Systems, Computer Networks

PROJECTS

ReStore – Ecommerce Website | ASP.NET, Entity Framework, React, Redux, Postgres, Docker, Git

- Developed RESTful APIs using C# ASP.NET and utilized Entity Framework to decouple the database from the application.
- Built the client-side using React and managed state centrally with Redux.
- Integrated Stripe APIs for payment processing and used Docker, GitHub Actions, and Fly.io for deployment.

Implementation of Distributed Protocols | Go, gRPC, Git

- Implemented MapReduce using goroutines to understand distributed processing times for large computations.
- Developed the Chandy-Lamport algorithm to record the global state of a distributed system.
- Implemented Raft, a consensus protocol to manage replicas and achieve consistency in a distributed system.

Walmart Sales Forecast | Python, Django, React, Git, Docker

- Preprocessed data and forecasted sales using the Random Forest algorithm based on user data.
- Developed a full-stack web application with Django serving a REST API and React as the frontend.
- Implemented authentication and visualized sales data trends for specific stores.

ADDITIONAL ROLES AND ACHIEVEMENTS

- Teaching Assistant at University at Buffalo for CSE 590 | *Computer Architecture* by Dr. Ramalingam Sridhar, Spring 2024.
- Internship at Electronic Corporation of India Limited | *Synthesis of UART on FPGA*, Jun 2018 – Jul 2018.