

Manu Bhargav Srirangarajan

San Jose, California

Email manubhargav27@gmail.com
LinkedIn [linkedin.com/in/manubhargav/](https://www.linkedin.com/in/manubhargav/)

GitHub github.com/manubhargav

Mobile (619) 452-8256
Portfolio manubhargav.github.io/

WORK EXPERIENCE

Software Engineer, Splunk Inc., San Jose, CA

June 2023 - Present

- Implemented new features in TypeScript/React codebase on the frontend and Python on the backend REST APIs.
- Collaborated with User Experience Designers, Product Managers, Test Engineers as well as engineering counterparts across the organization on conceiving product capabilities, all the way to rolling new features out to production.

Software Engineer Intern, Splunk Inc., Remote, San Diego, CA

May 2022 - April 2023

- **Tech Stack:** ReactJS, TypeScript, Cypress, Python, Gitlab, JavaScript, HTML, CSS, Docker.
- Leveraging the latest distributed computing, machine learning, large scale data ingestion and processing techniques the Security Engineering team builds world class products used at the heart of a customers' security defenses.
- Participated in design and code reviews. Gained experience in the development life cycle in a microservices environment.

Senior Software Engineer, Infosys Limited, Bangalore, Karnataka

February 2017 – June 2021

- **Tech Stack:** Angular, TypeScript, Java, Spring Boot, SQL, Jasmine, Node.js.
- Engineered a modernized online banking platform for Enterprise customers of a US financial corporation using Angular, Java, Spring Boot, Selenium, Microservices with RESTful services
- Mentored Junior engineers and reviewed Angular TypeScript code on scalable, performant code repository on the Frontend.
- Reduced time to render the business user's account list by 75% by implementing a widget dashboard and, used bootstrap to add responsive functionality, which accelerated the traffic of mobile users by 30%.
- Created over 100+ Components, 30+ Directives, and 100+ Templates using Pipes and Reactive forms.
- Created Karma Jasmine and Junit test cases for 95% coverage of the code. Extensive experience in designing and implementation of continuous integration, continuous delivery, continuous deployment through Azure DevOps Server

PROJECTS

Inventory Management System [React, Node.js, Express.js, GraphQL, MongoDB, Webpack]

February 2022 - May 2022

- Built session management of web application and validation using Express.js and JWT tokens.
- Utilized states, props, and hooks. Implemented backend in Node.js with GraphQL as an API endpoint using Apollo.
- Scaled the application using NoSQL (MongoDB) database to persist data with the help of Mongoose ODM. Built async/await and promises to maintain the flow of the application.

In Memory Database with Persistence [Java]

November 2021 - January 2022

- Designed an in-memory database for bookstore inventory that allows us to add, sell, update the quantity and price of books and search for the book in the inventory.
- Snapshotting intermediate state of Bookstore Inventory as a serialized object to roll back to a previous checkpoint later in time with the help of Command and Memento patterns
- Learned how to implement multiple design patterns side by side in a project by weighing the pros and cons of each pattern.

COVID19 Data Visualization Dashboard [Python, Streamlit, Choropleth, Plotly, Pandas]

August 2021 - October 2021

- Examine the pandemic through a variety of demographic lenses: age, race, ethnicity, and gender. Compare the various frequencies U.S. states employ for reporting on pandemic data.
- Visualized impacts of Covid-19 pandemic in the US on a Streamlit Dashboard using Plotly libraries: Choropleth county wise map; Impacts of weekly new cases and deaths Line chart.
- Analyzed the data using Pandas and created animations depicting weekly confirmed new cases and deaths county-wise.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, Shell Scripting.

Web Development: React, Angular, Node.js, RESTful API, Webpack, GraphQL, RxJS, HTML, CSS.

Database Technologies: MongoDB, MySQL, DynamoDB, Oracle.

Project Management: Agile, Jira, Confluence, Git, Scrum, Rally.

Cloud and Other Technologies: AWS S3, Lambda, API Gateway, Azure DevOps Server, Docker, Kubernetes, Unix/Linux.

ACADEMICS

Master of Science in Computer Science

August 2021 - May 2023

San Diego State University, California

(GPA- 3.83/4.0)

Bachelor of Engineering in Information Science Engineering

September 2012 - June 2016

Visvesvaraya Technological University, India

(GPA- 78/100)