

# Venkata Matcha

Senior Software Engineer with over 8 years of industrial experience, in India and a Master's degree in Computer Science from Old Dominion University, I have a proven track record of developing multi-faceted software applications, responsive UI that meet industry standards. I stay up-to-date with the latest design trends and best practices by exploring web.dev, dev.to and Dribbble communities.

✉ vmatcoo1@odu.edu

☎ 7579942295

📍 Edison, NJ

🔗 <https://mvsteja.github.io/portfolio>

## SKILLS

Programming Languages: JavaScript, Java, SQL, Typescript.  
Web Technologies: HTML5, CSS3, React, Angular 2, Node.js, Jest, Enzyme, Ember Js.  
UI Framework: Redux, Fluent UI, Material UI, Bootstrap, Highcharts, Plotly.  
Backend Framework: SpringBoot, Express.  
Cloud Services: AWS, Google Cloud Platform.  
Automation Tools: Docker, Kubernetes, Shell scripting, Jenkins.  
Database Technologies: MySQL, MongoDB, Oracle.  
Search and Analytics: ElasticSearch, GCP.  
Data Querying: Axios, QueryDSL, React Query  
Task management: Confluence, JIRA.  
Application Monitoring: New Relic, Sentry  
Design: Figma, Invision.  
Version Control: Git, Bitbucket, Gitlab  
Agile Methodologies: Scrum, Kanban

## WORK EXPERIENCE

### Old Dominion University

Graduate Research Assistant

Aug 2021 – May 2023

- Built end-to-end systems for ODU websites, with Front-end in Angular and React, And Backend in Node's Express JS, MySQL.
- Solved the recurring dates problem in a room booking Web Interface system, ensured seamless functionality.
- Implemented ElasticSearch by importing and managing large datasets, incorporated two-factor authentication and password reset via email.
- Developed Real-Time communication application use cases such as Order updates, Chat messaging.
- Created a reusable component library for the web application used Angular Material, resulted in faster development time for new features.
- Incorporated third-party APIs, such as a payment gateway(Square) into the website, allowing for secure online payments, into the web application for data exchange and real-time updates.
- Worked with Nosql solutions like MongoDB and MongoDB Cloud.
- Tech Stack - Angular 2, TypeScript, ReactJS, React Hooks, NodeJS, Express, Socket IO, MySQL, AWS EC2, Gitlab, Shell scripting, websockets, Square SDK, Docker, Kubernetes.

### Map Communications Inc.

Software Engineer Intern

Jun 2022 – Aug 2022

- Built document sharing and metrics dashboard features for a Virtual Receptionist software company.
- Refactored and converted UI projects into reusable components, optimized bandwidth usage and enhanced site performance.
- Managed CI/CD pipelines, and implemented build scripts, continuous integration infrastructure, and deployment tools.
- Implemented an efficient data fetching layer used Node.js, Express.js, and React-query.
- Worked extensively with Restful APIs, implemented JWT and LDAP authentication and handled bulk operations, used packages like QueryDSL.
- Form Validations and Handled Dynamic Validations for Form using Yup.
- Utilized CSS-in-JS techniques to create a consistent and visually appealing UI.
- Ensured authentication and authorization using JWT tokens.
- Leveraged modern JavaScript features such as async/await and Promises for asynchronous coding.
- Implemented File storage, using GCP cloud. Uploaded converted byte files, from Spring APIs.
- Integrated Twilio, into an Call services app. Leveraged services like Voice Sdk, Chat, Sms.
- Written test cases with Junit and mocked external libraries using Mockito.
- Conducted pre-testing of web service calls using Swagger UI and Postman.
- Experience Dockerizing API service, and deploying to kubernetes pod through gitlab.
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Tech Stack - Linux, Gitlab, Jenkins, Shell scripting, React, React Hooks, Material UI, React Native, nginx, Java, SpringBoot, Oracle DB, React query, CI/CD GitLab, kubernetes.

## Freshworks

Senior Software Engineer

Nov 2018 - Aug 2021

- Successfully developed and migrated data visualizations from Plotly to Highcharts.
- Implemented complex UI features such as bulk updates, bulk email, and consumption of form services.
- Participated in code reviews on Github to ensure code quality and adherence to best practices.
- Followed SDLC phases such as ideation, planning, development, testing, and production deployment. All phases were executed in an Agile 2-week sprint model.
- Collaborated with teams to slice epics into actionable user stories and resolve inter-team dependencies.
- Collaborated with peers from development, product, and project management teams to identify blockers in grooming sessions and reduce sprint planning time.
- Received mockups on Figma, Understood user flows, and developed UI based on the wireframes.
- Wrote unit tests with Jest and Enzyme, resulting in 80% code coverage. This ensured the reliability and correctness of the application.
- Defined test cases and metrics in collaboration with QA.
- Worked with CI/CD pipelines in Jenkins, and deployed packages and assets to AWS.
- Experience Dockerizing API service, and deploying to kubernetes pod through github and jenkins.
- Optimized website performance using tools like Lighthouse and resolved front-end-related issues.
- Redesigned scroll behavior using intersection observer API and other proofs-of-concept, resulting in 30% less page loading time.
- Architected Freshworks CRM Outlook Add-in using React.
- Tech Stack - React, Redux, Typescript, LocalForage, Plotly, Fluent UI, Ember JS, Jest, Enzyme, Highcharts, Kubernetes, Java, Spring, AWS - EC2, S3, Github, JIRA, New Relic.

## Cognizant Technology Solutions

Senior Associate

Aug 2013 - Nov 2018

- Implemented a MySQL database to manage user data, admin data, question banks, and past scores
- Built frontend with functionalities such as registration, take quiz, admin access, managing questions, and managing candidates, styled the application in Pearson's DLS (Design Language System).
- The UX team uploaded mockups on Invision, UI based on the feedback given by me.
- Set up route-based code-splitting of application code. Worked on improving the landing page's load speed, Reducing the time to first interactive by 30%.
- Responsible for gathering business and functional requirements (Requirement Analysis Documents), and designing and developing web applications. Followed Agile sprint model.
- Implemented Jest snapshot and unit testing, integrating pre-commit scripts.
- Tech Stack - React, Redux Thunk, Redux Form, Pearson components(CSS framework), Jest, Enzyme, AngularJS, Bootstrap, On-prem Debian, Invision, Confluence, Bitbucket.

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## EDUCATION

### Old Dominion University, cum laude

Master of Science (M.S.) - Computer Science

Aug 2021 - May 2023

Norfolk, VA

### Indian Institute of Information Technology

Bachelor of Engineering (B.E.) - Electronics Engineering

Sep 2008 - May 2012

Chennai, India