

Tushar Endra Koka

Charlotte, NC | 980-899-4305 | tusharendra.k@gmail.com | www.linkedin.com/in/tusharendrakoka

OBJECTIVE

Experienced software engineer seeking a challenging role where I can leverage my expertise in front-end and back-end technologies to design and implement innovative web applications that drive business growth and success.

SKILLS & INTERESTS

Languages: Javascript (ES 6), Typescript, Java, Python, shell script.

Web Technologies & Frameworks: React JS, Angular, Node.js, GraphQL, TypeScript, HTML5, CSS3, SASS, JSON, Bootstrap, Material UI, REST APIs.

Databases: MySQL, PostgreSQL, Firebase, NoSQL.

Tools: MongoDB, Git, Visual Studio, Jmeter, Jira, Docker, Jenkins, AWS.

WORK EXPERIENCE

University of North Carolina at Charlotte

Charlotte, NC

Web Application Research & Developer

Jan 2023 - Present

- Constructing a full stack web app to modernize and optimize business workflows for an automotive company.
- Using efficient methods like chunked uploads to process large pieces of data using python libraries like NumPy, Scikit-learn, Pandas, Matplotlib.
- Programming with React, Node.js, Python, Flask, Amazon Web Services (AWS), and MongoDB.

Note: This project is confidential so specifics cannot be disclosed.

Publicis Sapient

Bangalore, KA (India)

Software Engineer 2

Jan 2021 - June 2022

- Designed and developed a dashboard for the admin on the new IBM's store engagement application 2.0 using carbon design system and increased usage of the dashboard by 40% within the first month of deployment.
- Modernized performance optimization mainly focusing on page load speed, accessibility which improved page load speed by 47%, resulting in a 25% reduction in bounce rate and SEO ranking by 45%, resulting in a 30% increase in organic traffic to the application.
- Automated and executed all workflows in the application using protractor framework with docker containers for different environments reducing manual errors by 70% resulting in improved application reliability, deployment time by 30% by leveraging Docker containers for different environments.
- Lead a team of 3 front-end developers for building progressive web applications as per client's requirements and delivered on strict time constraints resulting in increased customer satisfaction and repeat business.
- Migrated a multi-page user experience into a single page app which significantly improved customer engagement by 50% resulting in increased usage with interactive, dynamic code and reduced customer queries by 30%.
- Achieved a 95% resolution rate for production issues and change requests within SLA timelines as part of the L3 team, resulting in increased customer satisfaction and reduced downtime for the E-commerce platform.

Publicis Sapient

Bangalore, KA (India)

Software Engineer

July 2018 - Dec 2020

- Designed and implemented various order fulfillment flows ie customer appeasement, cancel products and multiple returns with internal APIs in Java.
- Diagnosed and customized Store Order Management application's change requests and production issues.
- Analyzing and preparation of reports through IBM Cognos using SQL reducing millions of inconsistent cells.
- Extrapolated with business and design requirements to develop wireframes, web pages that adhered to company, industry and usability standards.
- Planned, developed and analyzed scripts for various scenarios of the orders from different countries from creation of orders to return, appeasement, payment processing of the orders, End to end flows.

Publicis Sapient

Bangalore, KA (India)

Software Engineering Intern

Jan 2018 - June 2018

- Implemented the add to cart module as part of the intern microservices Ecommerce project.
- Developed a clone of stack overflow using plain JavaScript, Webpack, HTML5, CSS3 and Bootstrap for internal FAQs for employees.

EDUCATION

University of North Carolina at Charlotte

Charlotte, NC (USA)

MS in Computer Science

December 2023

- Algorithms & Data Structures, Database Systems, Software Systems Design and Implementation.

PES Institute of Technology

Bangalore, KA (India)

BS in Information Science & Engineering

May 2018

- Statistics for Computer Science, Data Structures, Web Technologies, Computer Networks.

PROJECTS

VS Code like Editor: ReactJS

Developed VS code editor in reactJS with features such as:

- File folder navigation.
- Breadcrumb sitemap and finder.
- Able to save and load files from third parties like AWS S3.
- Search through the list of all files in the system.