

Shashank Shekhar

shk11sharma@gmail.com | [LinkedIn](#) | 412-277-9980

EDUCATION

Carnegie Mellon University – School of Computer Science, Pittsburgh, PA, CGPA: 3.99/4.33

Master of Software Engineering

December 2023

Key courses: Applied Distributed System, Software Architecture, API Design, Requirements for Information Systems

Studio Project: Engineering a data transfer, customization, and report builder interface for Surefront leveraging best software engineering principles for ensuring overall quality, efficient project management, exhaustive requirements analysis, drawing architecture, and spearheading development.

Indian Institute of Technology, Varanasi, India

Bachelor of Technology in Engineering

May 2017

EXPERIENCE

AssetMappr

Research Assistant

January 2023 – Present

- Leading a three-member team in architecting and developing a transparent and collaborative community planning tool to be deployed across 10+ townships in Pennsylvania.
- Collaborating with designers, community members, and faculty to curate and test feature enhancements for geospatial mapping, asset categorization, and data-driven insights, empowering effective decision making.
- Engineering a robust application with responsive desktop and mobile views with Django REST, React, PostgreSQL, MongoDB, and TypeScript.

EXZEO India

Senior Software Engineer

January 2022 – July 2022

- Followed SCRUM agile methodology and collaborated with cross-functional teams to maintain and enhance Inbox, a web-based claim processing application successfully deployed across 8 insurance organizations.
- Led the UI development efforts for more than 10 features by designing and implementing modular high-level and low-level UI components utilizing Vue.js, NodeJS, and GraphQL.

Software Engineer

September 2019 – December 2021

- Engineered a desktop application, JustEZ, with Electron, React, NodeJS, and JavaScript to lower claim inspection process time by 60%. Engineered in-house spreadsheet and a cloud based file management system to store onsite information.
- Architected a multi-threaded service using resizing algorithms to reduce image processing time by 99%.
- Assembled a reusable package employing JavaScript and Scalable Vector Graphics to visualize flow of claims across different workflows reducing time to identify bottlenecks by 90%.

Wipro

Project Engineer

July 2017 – September 2019

- Developed a cutting-edge web application leveraging React, NodeJS, and MongoDB to generate HTML scripts, delivering personalized user experiences and optimizing user engagement metrics to boost dwell time.
- Single-handedly conceptualized and created a Human Resource Management tool for internal use by 50+ managers. Fabricated dashboard and visualizations with React and D3.js to provide insights into resource management.

PROJECTS

Studio Project for Surefront

Project Lead

January 2023 – Present

- Leading a four-member team in developing a highly efficient data transfer and report builder module for Surefront to decrease effort to export information by 99%.
- Managing project through Agile SCRUM Software Development Life Cycle, overseeing business analysis, construction including CI/CD, quality, client engagement, software development, and driving overall project success.
- Utilized tech stack and tools including React, Typescript, Redux, Python, Django REST, Circle CI, JIRA, and Confluence.

Academic Projects

- Designed and engineered a mobile application, StyleLabz, utilizing React Native, Express, and MongoDB, to generate automated clothing recommendations based on user preferences.
- Implemented a RESTful API, GraphQL API, and a gRPC API applying best practices and design principles.

SKILLS

Languages: JavaScript, TypeScript, Java, Python, Dart

Other: React, React Native, VueJS, Django REST, Flutter, NodeJS, Express, PostgreSQL, MongoDB, GraphQL, gRPC, Docker, GIT