

# Himanshu Jain

Minneapolis, MN (Open to Relocation) | [jainmanshu@gmail.com](mailto:jainmanshu@gmail.com) | [linkedin.com/in/hjain64](https://www.linkedin.com/in/hjain64) | [hjain64.github.io](https://hjain64.github.io)

## SOFTWARE ENGINEER

Experienced Software Engineer specializing in building next-generation solutions, optimizing systems, and developing applications for a competitive edge. Committed to delivering exceptional results for customers through technical proficiency and creative problem-solving that cater to the evolving needs of modern businesses.

## TECHNICAL SKILLS

- **Expertise:** Javascript ES6 | Typescript | Node.js | Python | HTML5+CSS | React | Redux | REST-API | WebPack
- **Proficient:** GraphQL | Express.js | Liquibase | Next.js | Angular.js | Django | Jest | Enzyme | D3 | Monorepo | Selenium | WebDriverIO | Elasticsearch | FastAPI | Docker | Redis | PostgreSQL | MongoDB | Github Actions
- **Familiarity:** Kafka | Kubernetes | Apache Spark | RabbitMQ | Jenkins | BuildKite | AWS (EC2, ECS, lambda, S3, SQS) | MySQL | Snowflake | Azure | Spring-Boot | OIDC | OAuth2.0 | Shadcn | Micro-frontends | Web-GL Maps

## WORK EXPERIENCE

### Trimble Inc.

June 2018 - Present

Trimble Inc. provides technology solutions for the transportation and logistics industry, offering tools for fleet management, routing, and optimization.

#### Software Engineer - 3 | Aug 2023 - Present

- Integrated **deep learning models** into the **data pipeline** for predictive analytics, contributing to the development of a recommendation system that boosted **user engagement by 25%**.
- Designed a scalable **Kafka**-based services for ingesting and processing large-scale **GPS Breadcrumbs data feeds**, achieving a throughput of **5,000 messages per second** with an average end-to-end **latency of less than 10 seconds**.
- Conducted **code reviews**, authored technical **design documentation**, **mentored** junior team members, and facilitated **agile** practices, resulting in a streamlined development process and heightened team productivity.

#### Software Engineer - 2 | Jan 2020 - July 2023

- Deployed Single-Sign-On (SSO) capability through a tailored federation approach connecting **OAuth2.0** with enterprise identity using **openID connect**, successfully **migrating over 100,000 users**, resulting in a **30% reduction in login times**.
- Led the development of an **intelligent route navigation** system seamlessly integrated into an Trimble **GIS** product, optimizing fleet management operations and significantly **reducing fuel consumption by 15%**.
- Achieved **95% code quality coverage** milestone by utilizing **Jest/Enzyme** for the meticulous **unit testing** and **Selenium/WebdriverIO** for the **automation** end-to-end testing framework.
- Owned and developed **Node microservices** using **PostgreSQL** as database, **Kafka** for event streaming, **Redis** for caching, **Elasticsearch** for document store, **Docker/Kubernetes** for containerization and **AWS** for reliability and scalability.

#### Software Engineer - 1 | Jun 2018 - Dec 2019

- Implemented **SaaS**-based NextGen fleet telematics application, optimizing fleet management for a substantial customer base, achieving **35% increase in customer retention** resulting in additional **\$5M in annual revenue growth**.
- Built a robust internal **open-source web component library**, based on **React** with adherence to **Material-UI** design principles and UX considerations, resulting in an average of **150+ weekly downloads**, documented using **Storybook.js**.

## RESEARCH AND INTERNSHIP

### Titus Lab - University of Minnesota | Undergrad Research Assistant

Jan 2018 - May 2018

- Developed and documented a cellular image analysis application responsible for extracting key parameters (cell count, area, intensity, filopodia length) for Metazoa and Amoebozoa, vital for **early-stage cancer cell detection**.
- Refactored the application code from MatLab to an automated ImageJ JavaScript application, **cutting down** the overall **stats generation time by 80%**, significantly improving performance and elevating user experience.

### ConvergeOne | Voice Solution Engineer Intern

May 2017 - Aug 2017

- Engineered a contact center application with Cisco Unified Communications Manager, adhering closely to agile methodologies, resulting in a significant **66% reduction** in average **call wait time** from 15 minutes to 5 minutes.
- Orchestrated full-stack application development, showcasing proficiency in backend technologies such as **C#, .NET, SQL**, REST API, VXML, and frontend technologies including **Typescript, Angular.js**, Karma testing, and Bower.

## EDUCATION

**Bachelor of Science, Computer Science** | University of Minnesota-Twin Cities, MN

May 2018