Sunil Shastry

📞 (306) 361-6075 ✉ contact@sunilshastry.com 🔗 linkedin.com/sunilshastry 🐙 github.com/sunillshastry 💼 sunilshastry.com

Education

University of Saskatchewan   **Expected Graduation: May 2026**
Bachelor of Science - Computer Science   *Saskatoon, CA*

- Minor in **Theoretical Mathematics**

Projects

Itihaas | *Website* | *GitHub*   **React.js** | **TypeScript** | **Express.js** | **Docker** | **GraphQL** | **Redis**

- Engineered a scalable, **multi-language** Indian history archive frontend with smart caching via **TanStack Query** and **Redis** to **reduce API latency by 65**%, and state-management with **Context API**. Authored custom **MDXjs** based documentation, and automated testing through **Jest** and **RTL**.
- Architected a highly-performant backend featuring **GraphQL** and **REST APIs**, with regulated **rate-limiting**. Automated deployments via **GitHub CI/CD**, while performing thorough testing via **Supertest** and **k6** (load-test). Drafted API documentation via custom docs and **Swagger**/**Open API**.

DinnerDibs   **Next.js** | **TypeScript** | **Spring Boot** | **AWS** | **PostgreSQL** | **Docker**

- Developed a full-stack platform serving as a marketplace for local home cooks with **real-time messaging** and **location-based discovery** using geospatial queries with **PostGIS**, scaling database access patterns **capacity for 10k+ simulated listings**. Engineered a modular system architecture - **Next.js** frontend and a **Spring Boot** service layer - communicating via secure **REST APIs** and **PostgreSQL** persistence, with solid **caching** layers on frontend and backend.
- Implemented industry standard **infrastructure**, containerized services with **Docker**, and automated continuous deployment pipelines using **GitHub Actions** and **AWS** for storage. Designed and documented an end-to-end system including **authentication**, **messaging**, listings, and **search**, adhering to **domain-driven design** and production-grade scalability standards

Personal Site | *Website* | *GitHub*   **Next.js** | **TypeScript** | **Tailwindcss** | **MDXjs** | **CI/CD** | **shadcn-ui**

- Designed a website and a **blogging platform** with **Next.js** & **MDX**, featuring a dynamic blog system with individual posts. Authored an **SEO** optimized **SSR/SSG** site with **GitHub CI/CD** integration to automate build processes with **Netlify**

Work Experience

Qutrix   **Nov 2021 – Jan 2022**
Software Developer Intern

- Authored and directed multiple user-interface components using React.js and SCSS, improving the application's overall design and responsiveness, **with 95% of the updates successfully deployed to production.**
- Optimized the frontend using React.js by leveraging advanced libraries, **improving rendering performance and SEO by 46%** through code-splitting, and lazy-loading. Implemented dynamic routing, while working with APIs and HTTP requests, with interactive user-interface components and enhancing form validation with regex and unit tests, **increasing validation success by 85%**. Maintained clean, documented, and well-tested code for scalability
- Coordinated and performed comprehensive testing: **unit, integration, and E2E tests using Jest**. Collaborating with developers and QA testers with Git version control, **Slack** and **GitLab CI/CD** pipelines to streamline structured development.

Freelance   **May 2021 – Oct 2022**
Software Developer

- Analyzed and documented **client requirements**: Illustrated high and low-fidelity mockups and interactive prototypes responsive to mobile and desktop users using **Adobe XD**. Modeled a functional, responsive, and **SEO-optimized** website using SCSS and JavaScript with Webpack build tool and additional NPM packages ensuring cross-browser compatability. Hosted on **GitHub** and deployed on Netlify web services

Technical Skills

Languages: JavaScript, TypeScript, Java, SQL, C++, Python.

Libraries/Frameworks: React.js, Next.js, Spring Boot, Hibernate, Vue.js, Node.js

Developer Tools: Git, AWS, Docker, PostgreSQL, MongoDB, Apache CouchDB, Redux/Pinia.