

Sagar Acharya

Phone: +358 44 9323786

Email: acharyasaagar@gmail.com

Website: <https://sagar.dev>

Github: <https://github.com/acharyasaagar>

Full-stack Software Developer with 4+ years of professional experience in building web applications. Specialised in building user-friendly applications using React, TypeScript, and Node.js. Proven track record of delivering end-to-end solutions from architecture to deployment, with expertise in both frontend and backend development.

TECHNICAL SKILLS

Frontend: HTML, CSS, Javascript, React, Redux(Toolkit),
React-Router, Material-UI

Backend: Node.js, Express.js, Remix

Databases: MongoDB, PostgreSQL

Tools: TypeScript, Git, Docker, Github Actions, Heroku, Figma

EXPERIENCE

Full-stack developer at Starbrix International

Nov 2020 - present

Technologies: Typescript, React, Redux, Nodejs, Express, MongoDB

A web based project management and collaboration software with gantt chart, kanban board and calendar views. Starbrix has been developing project management software since 1995 and now I am working on the project for rebuilding the software from the ground up using modern technologies.

- Initialised the UI application using create-react-app, redux and material-ui with typescript, ESLint for linting, Prettier for formatting, and automated code checks via Husky and lint-staged, ensuring a maintainable, streamlined codebase from the start.
- Initialised the backend application: using Node.js, Express.js, and MongoDB, with TypeScript for type safety and Nodemon for development environment.

- Enhanced UI with third-party libraries: Integrated third-party scheduler for advanced calendar features and TreeGrid for list views, tree-structured views, and interactive Gantt chart views.
- Built end-to-end features for starbrix application including user management, project management, permission management, customer and supplier management, email notifications and reminders.
- Setup CI/CD using github actions for both the UI and API application
- Setup domain and manage DNS records for the marketing page, UI application and the API using Cloudflare

EDUCATION AND CERTIFICATIONS

Bachelor of Engineering in Information and Technology

Aug 2016 - Aug 2020

Metropolia university of Applied Sciences

Full-stack software developer certification

University of Helsinki, Department of computer sciences

[View certificate here](#)

Javascript data structures and algorithms certification

Freecodecamp (Online)

[View certificate here](#)

PROJECTS

Rostergrid application

Aug 2018 - Mar 2020

Technologies: Typescript, Nodejs, Express, PostgreSQL, Docker

A web application to create and manage work schedules and automate shift hour calculations. The project was built to be used at a restaurant in Helsinki, and was part of my innovation project and bachelor's thesis.

- Led the project from idea to production.
- Created designs for application user interface and marketing pages using Figma.
- Created database designs using entity relationship diagrams, in collaboration with fellow developer.

- Designed and developed HTTP APIs for features including user management, schedule creation and management, schedule exports and publishing.
- Created infrastructure on Digitalocean for deploying the API server, react application and PostgreSQL database.
- Theseus link: <https://www.theseus.fi/handle/10024/336851>

Pikpok application

Technologies: Typescript, Vite, Remix, MongoDB, TailwindCSS, Vercel

A web application to record and track expenses. I use it on a daily basis to track my expenses. The plan is to add more features as required for my own use.

- Github: <https://github.com/acharyasaagar/pikpok.app>
- Application: <https://pikpok.app>

Finnish Immigration appointments crawler

Technologies: Nodejs, Puppeteer.js, Twilio SMS

When my Finnish residence permit was nearing expiration in 2020 and all renewal appointments were booked, I built a website crawler to monitor cancellations and notify me via text when slots opened. Within a day, I got a cancelled appointment, solving an urgent problem through this tool.

- Used nodejs and puppeteer.js for crawling website
- Used Twilio SMS API to send me message when new appointments were available
- Github: <https://github.com/acharyasaagar/migri-appointments-crawler>