

# VINOD KRISHNA SELPOL

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[GitHub](#) | [Personal Website](#) | [Linkedin](#)

## EDUCATION

**Masters in Computer Science** | Illinois Institute of Technology, Chicago, Illinois | (GPA - 3.833) *Aug 2022 - May 2024*

**Bachelors in Engineering** | Acharya Institute of Technology, Bangalore, India

*Aug 2014 - Dec 2018*

## WORK EXPERIENCE

**Software Engineer Intern - Amazon**, Boston, USA

*May 2023 - Aug 2023*

**Tech Stack:** ReactJS, Rust, Javascript, Typescript, AWS

- Building a dashboard for the observability project to display the latency of various API's using Typescript and Rust.
- Developing a high-performance metadata API for CRUD endpoints in Rust.
- Engaged closely with cross-functional teams to translate high-level roadmap into feasible feature specification.

**Software Engineer - Northvolt**, Stockholm, Sweden

*Dec 2019 - May 2022*

**Tech Stack:** ReactJS, NextJS, Javascript, React Testing Library

- Using React and ES6 stack to develop the user interfaces of applications and reusable components.
- Worked on client side security mitigation by implementing 3rd party libraries and also wrote in-house functions to sanitize the user inputs thereby helping the security to close ~10 high and ~20 medium to low priority security issues.
- Collaborated with a team of experienced engineers to develop an efficient solution for a feature to remind users frequently to link their services.
- Wrote unit test cases in React Testing Library for the core components which were shared among different teams.

**Software Engineer Intern - Einride**, Stockholm, Sweden

*May 2019 - Nov 2019*

**Tech Stack:** Javascript, Typescript, ReactJS

- Developed and implemented frontend architecture to support user interfaces using ReactJS and Typescript.
- Wrote unit tests in jests and improved the test coverage by ~2%.
- Optimized and refactored the code in the application workflow and reduced the redundancy.
- Actively involved in conducting bug bounty and also fixing ~4 bugs per weeks from bugs backlog.
- Participated in code reviews and ensured that all solutions are aligned to predefined design specifications.

## TECHNICAL SKILLS

- **Programming** - Javascript, Typescript, Python, C++, Rust.
- **Database** - SQL, MongoDB, Postgres, DynamoDB.
- **Web Dev and Frameworks** - HTML5, CSS, Bootstrap, ReactJS, NextJS, NodeJS, Express, Tailwind, Redux.
- **Familiar with** - Git, AWS, Android, Figma, Firebase, React Testing Library, Postman, RestAPI.

## PROJECTS

**Netflix clone App** - ReactJS, Tailwind, RestAPI ([github](#), [url](#))

- The web app built using React. The web app has many functionalities including payment gateway integrated using Stripe API. It fetches dynamic data from external API endpoints.

**University E-commerce store** — ReactJS, NodeJs, Express, Postgres ([github](#))

- The full stack web app built using react as frontend and express as backend. The students can buy/sell the items on the store. It has many functionalities like ability to perform CRUD operations, authentication using JWT and payment integration using Stripe API.

**Stock Market App** - ReactJS, MaterialUI, Finhub API ([github](#), [url](#))

- Stock-Market app built using ReactJS displaying the real time stock data and also market news.

**Covid Tracker** - ReactJS, MaterialUI ([github](#), [url](#))

- Covid tracker displaying real time covid data build using React JS for better understanding of Context API, hooks and functional components. Used chartJS and leaflet for interactive data visualization.