

Ruthwik Soudry

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Education

Northeastern University, Boston, MA

Expected Dec 2023

Master of Science in Information Systems | Graduate Teaching Assistant | Campus Ambassador

Jain University, Bengaluru, KA

Aug 2014 - Aug 2018

Bachelor of Science in Computer Science | Research Assistant | Best Project Award

Experience

Full Stack Engineer Co-op, Hometap (Equity Investments) – Boston, MA

Jan 2023 – Aug 2023

- Enhanced security of testing environment by **data obfuscating** 30,000+ user records using **Python Django**, streamlining QA tests, and supporting product strategy development.
- Migrated React components to **Storybook**, improved cross-platform code reusability, and enabled the marketing team to create customized widgets for targeted promotions and ads.
- Developed and executed comprehensive acceptance, integration, and feature tests in **Cypress**, resulting in a coverage report exceeding 75% and ensuring high code quality standards.

Senior Software Engineer, Curefoods – Bengaluru, KA

Apr 2021 – Feb 2022

- Spearheaded the development of Eatfit subscription product (eatfit.in/subscribe) using **React.js**, **TypeScript**, and **Node.js**, enhancing average order value (AOV) by 12% through strategic upsell and cross-sell features.
- Engineered Cyclops, a **ReactJS**, **GraphQL**, and **WebSockets** library that boosts user experience with advanced **lazy-loading** and **predictive prefetching**, achieving over 50% adoption across consumer and service platforms.
- Redesigned Eatfit infrastructure, leading to 6% drop in crash rates through CI/CD automation with **Docker**, **Jenkins**, & **K8s** and using **Sentry** and **Spinnaker** for error management.
- Established and scaled omni-channel platforms for food delivery, corporate food courts, and QSR(quick service restaurants) in 12 cities by transitioning from a monolithic system to a **microservices**-driven architecture.

Software Engineer, Hashedin by Deloitte – Bengaluru, KA

Jul 2018 – Mar 2021

- Developed and launched cultfit digital fitness product (cult.fit/fitness), integrated **webRTC** for live class video streaming and body movement analysis, enabled home training with calorie tracking via **Deep Learning** algorithms.
- Pioneered refinement of the push notifications pipeline across multiple services, eliminating **sync path dependencies** and achieving a 3.2-second reduction in latency.
- Leveraged **D3 Scales** and **WebGL** to innovate cultfit data visualization modules, improving chart interactivity and rendering up to 20,000 data points in real-time, enhancing the user experience and analytical capabilities.
- Optimized initial load time from 2.7s to 0.9s by implementing **server-side rendering (SSR)**, **chunk splitting**, **lazy loading** images, API decomposition, and asynchronous I/O calls to microservices.
- Engineered an end-to-end online doctor video and chat consultation SaaS product (cult.fit/care) using **Twilio**, facilitating 40,000+ monthly consultations at the peak of the pandemic.

Projects & Leadership

Image Classification on multiple GPU – Tensorflow, PyTorch, Deep Learning, OpenCV

Jun 2023 - Aug 2023

- Engineered a sophisticated solution to translate American Sign Language into speech, leveraging Deep Learning.

Solidity Version Upgrade for UniswapV2 – Solidity, Rust, MetaMask, Mocha

May 2023 - Jul 2023

- Modernized the UniswapV2 codebase by upgrading it to the latest Solidity version compatible with Foundry.

Graduate Teaching Assistant (Web development) – ReactJS, NodeJS, MongoDB, Express

Aug 2022 – Dec 2022

- Designing assignments, outlining guidelines for grading, and instructing on ReactJS & NodeJS for 150+ students.

Intern Section Lead @Hashedin By Deloitte - Angular, Spring boot

Jan 2020 - Mar 2020

- Mentored 40+ interns and trained on technologies to facilitate intern's transition into the corporate environment.

Skills

Programming Languages: JavaScript, TypeScript, Python, Java, Rust, Solidity, HTML5, SCSS, PHP, Ruby.

Framework & Libraries: ReactJS, NodeJS, Express, Django, Flask, JQuery, Spring boot, Jest, Mocha, Cypress, Selenium.

DevOps & Other Tools: Jenkins, AWS, Terraform, Docker, Kubernetes, Webpack, DataDog, GitHub, Nginx, Sentry.

Miscellaneous: ChatGPT Prompt engineering, Scripting, Tensorflow, Postman, Jira, Documentation, Code Review.