

Ruthwik Soudry

Boston, MA | (470)-847-2060 | soudry.r@northeastern.edu | [LinkedIn](#) | [Portfolio](#)

Education

Northeastern University, Boston, MA

Expected Dec 2023

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

Jain University, Bengaluru, KA

Aug 2014 - Aug 2018

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

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 **Java Spring boot**, 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 and JUnit**, resulting in a coverage report exceeding 75% and ensuring high code quality standards.

Software Engineer - 2, Curefoods (Retail & Ecommerce) – Bengaluru, KA

Apr 2021 – Feb 2022

- Pioneered the development of Eatfit subscription product (eatfit.in/subscribe) using **ReactJS**, **TypeScript**, and **NodeJS**, 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, Deloitte (IT Consulting & Services) – 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.
- Championed 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**, **Java helper library** and **WebSockets**, facilitating 40,000+ monthly consultations at the peak of the pandemic.

Projects & Publications

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, MetaMask, Mocha

May 2023 - Jul 2023

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

Flex Appeal – ReactJS, Redux, NodeJS, MongoDB, Express

Aug 2022 – Dec 2022

- Crafted a web application to record users daily health activities ranging from food, exercise, sleep, active activities.

Two layer honeypot on cloud server - AWS EC2, S3, Shell Scripting, Cloud computing

Jan 2018 - May 2018

- Implemented a two-layer Honeypot on a cloud server with data and published it in an international publication.

Technical Skills

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

Framework & Libraries: ReactJS, NodeJS, Express, Spring boot, J2EE, RESTful API, Jest, Cypress, JUnit, Selenium.

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

Certification: AWS Solution architect associate, ChatGPT prompt engineering for developers, Foundation of ML.