

# Ruthwik Ravi Kumar Soudry

soudryruthwik@gmail.com | (470)-847-2060 | LinkedIn | GitHub

## Work Experience

### Hometap (Equity Investments) | Full Stack Engineer Coop, Boston, MA

Jan 2023 - present

- Enhanced security by **data obfuscating** 30,000+ user records using **Django** for testing environment, streamlining QA tests, and supporting product strategy development.
- Designed the 'Hive' pipeline, supporting 200+ monthly deployments, enabling developers and QA engineers to seamlessly deploy GitHub branches to **ephemeral** environments, execute unit and integration tests, and relay results via Slack notifications.
- Migrated React components to **Storybook**, optimizing cross-platform code reusability and empowering marketing team to tailor components for targeted promotions and advertisements.

### Curefoods | Software Development Engineer - 2, Bengaluru, KA

Apr 2021 - Jan 2022

- Spearheaded the development of Eatfit's subscription product(eatfit.in/subscribe) using **ReactJS with TypeScript and NodeJS**, resulting in 12% increase in average order value(AOV) through strategic upsell & cross-sell features.
- Architected 'Cyclops' library using **ReactJS, GraphQL, and WebSockets**, boosting user experience with advanced **lazy-loading** and **predictive prefetching**; achieved 50% adoption across consumer and service platforms.
- Redesigned Eatfit's infrastructure, achieving a 6% drop in crash rates through CI/CD automation with **Docker, Jenkins, & K8s (Kubernetes)** and using **Sentry** and **Spinnaker** for error management.
- Established omnichannel platforms, scaled infrastructure, and transitioned from a **monolithic system to a microservices-driven architecture** to support 12 cities via food delivery, corporate food court & QSR(quick service restaurants).

### Hashedin by Deloitte | Software Development Engineer, Bengaluru, KA

Jul 2018 - Mar 2021

- Developed and launched cultfit's digital fitness product(cult.fit/fitness), integrated **webRTC** for live class video streaming and body movement analysis, enabling home training with calorie tracking via **Machine Learning (ML) 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)**, chunks splitting, lazy loading images, API decomposition, and asynchronous I/O calls to microservices.
- Engineered an end-to-end online doctor video and chat consultation system(cult.fit/care), from consultation booking to prescription generation, using **Twilio**; facilitated 40,000+ monthly consultations at the peak of the pandemic.

### Securonix | Application Engineer, Bengaluru, KA

May 2018 - Jul 2018

- Debugged and **documented root cause analysis** for jobs failures and produced actionable data to prevent specific threats.
- Introduced common **logging standards** to streamline debugging, review change logs to address and resolve root causes.

## Technical Skills

### Languages, Frameworks & Libraries

### Databases & OS

### DevOps & Other Tools

### Miscellaneous

JavaScript, Python, Java, React, Django, TypeScript, NodeJS, HTML5, SCSS, Mocha, Jest

MongoDB, MySQL, PostgreSQL, GraphQL Redis, Firebase, Linux, MacOS, Windows

Jenkins, OpsGenie, Terraform, Docker, Kubernetes, GitHub, Webpack, DataDog, Nginx, Sentry

ChatGPT Prompt engineering, Scripting, Tensorflow, Postman, Jira, Confluence

## Education

### Northeastern University, Boston, MA

Dec 2023

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

### Jain University, Bengaluru, India

Aug 2018

Bachelor of Science (BS) in Computer Science and Engineering | Best Final Project Award | Research Assistant

## Projects, Leadership & Achievements

### Solidity Version Upgrade for UniswapV2

May 2023 - Jul 2023

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

### Graduate teaching assistant - Web design and user interface

Sept 2022 - Dec 2022

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

### Intern section lead @Hashedin By Deloitte

Jan 2020 - Mar 2020

- Mentored 40+ interns and conducted class training on technologies to facilitate intern's transition into corporate environment.

### Best outgoing project

Jan 2018 - Jul 2018

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