Peramanathan Sathyamoorthy

Senior Software Engineer

[GitHub](#) | [LinkedIn](#)

CONTACT DETAILS

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Stockholm, Sweden

Work Authorization: Swedish citizen

SKILLS

- **Development**: Git, JavaScript, TypeScript, Reactjs
- **Practices**: Agile, Test Driven Development, Behavior Driven Development, End-to-end Testing, Pair/Mob Programming and Testing

COURSES (2024)

- HashiCorp Terraform Associate Exam Cram [O'Reilly Live Event] 2 days Live Course
- LangChain Chat with Your Data
- Build LLM Apps with LangChain.js

CERTIFICATIONS

- EpicReact by Kent C. Dodds (2021)
- Coursera: Machine Learning Foundations: A Case Study Approach (2015)
- Coursera: Developing Data Products (2015)
- Coursera: Getting and Cleaning Data (2015)
- Coursera: R Programming (2015)
- DataCamp: Kaggle R Tutorial on Machine Learning (2015)

PUBLICATIONS

- 2017: Profiling Energy Efficiency and Data Communications for Mobile Internet of Things
- 2015: Energy Efficiency as a Orchestration Service for the Mobile Internet of Things

SUMMARY

Senior Software Engineer with over *9 years* of experience in *building* scalable web applications and *leading* development teams. Holds **Master's degrees** in **Computer Science** and **Operations Research**, providing a strong foundation in both theoretical and applied aspects of technology and optimization. Proven expertise in **JavaScript, TypeScript, React.js**. Demonstrated leadership in integrating innovative solutions and driving efficiency in startup environments. Experienced educator with a passion for mentoring and fostering innovation through technology.

EXPERIENCE

Oneflow AB, Digital Signature and Contract Management Platform Stockholm, Sweden
Senior Software Engineer (24 months) January 2023 - December 2024

- **Strategically integrated TypeScript** into a mixed legacy codebase with FlowType and JavaScript, resulting in a 70% reduction in type-related errors, significantly enhancing code reliability and maintainability. Leveraged previously introduced zod's type inference for robust type hinting in business data.
- **Automated the conversion of JavaScript** modules to TypeScript with a custom script preserving version control history, saving over 200+ hours of manual work, accelerating development timelines.
- **Unified distributed ACL permissions** into a single utility module, managing complex contexts and user roles (owner, guest) to simplify maintenance, migration and enhance scalability.

Tools Used: *TypeScript, Reactjs, Jest, Enzyme, Testing-library, Playwright, MySQL, Express.js, Flask, Python, Webpack*

Oneflow AB Stockholm, Sweden
Engineering Team Lead (15 months) October 2021 - December 2022

- **Co-led the development of a new JSON-based rich text editor** seamlessly integrating with legacy HTML, increasing user satisfaction by 60% and providing a modern, cohesive editing experience.
- **Mentored and empowered the development team** to a self-organizing model, overseeing hiring and onboarding while instilling a continuous improvement culture. This resulted in increased productivity, stronger ownership, and scalable team practices.
- **Pioneered an end-to-end testing transformation** with Playwright, starting with an innovative approach to replicate mob testing scenarios. This significantly reduced regressions and boosted efficiency. Later, I spearheaded a complete rewrite of the end-to-end testing suite in Playwright.
- **Engineered a lightweight Zod-based data validation library** which streamlined data validation and minimized runtime errors.

Tools Used: *JavaScript, TypeScript, Reactjs, Webpack, Jest, Zod, Enzyme, Testing-library, Playwright, MySQL, Nodejs, Express.js, Flask, Python*

EXPERIENCE

Oneflow AB   Stockholm, Sweden
Full Stack Integration Engineer (31 months)   March 2019 - September 2022

- **Established the Integration Team** from the ground up, creating foundational processes and best practices for long-term scalability, while strategically aligning integration solutions with business needs.
- **Designed multi-client applications** with Python and React.js, facilitating seamless integrations with platforms like HubSpot and SuperOffice, expanding Oneflow's reach and interoperability. Helped Microsoft Dynamics and Salesforce Development with reviews and frontend decision making. Built connector application extensions for the CRM integrations and Teamtailor
- **Stabilized and enhanced the Public API**, which enabled a robust third-party integration ecosystem, contributing to client satisfaction and platform versatility.

Tools Used: *Python, Reactjs, CRMs (HubSpot, SuperOffice, Microsoft Dynamics, Salesforce), Connexion, Integrations*

Oneflow AB   Stockholm, Sweden
JavaScript Developer(23 months)   April 2017 - February 2019

- **Innovatively Integrated React Router into a Backbone.js-based client** to build Identity and Access Management, facilitate faster prototyping cross-linked user management and efficient testing.
- **Optimized CI build processes**, reducing build times by 40%,
- **Contributed to modernizing the legacy codebase** by transitioning to React.js.

Tools Used: *JavaScript, Backbonejs, Marionette, Reactjs, FlowType, Grunt.js, Karma, Bower Components*

Weavler AB, An accessible e-commerce artisans platform (with 1.6M SEK PTS grant)   Stockholm, Sweden
Full Stack Developer   January 2016 - March 2017

- **Managed AWS cloud infrastructure**, reducing operational costs by 40%.
- **Integrated services** like Mandrill, Slack bots and PayPal, enhancing platform functionality. **Implemented SEO strategies** with server-side rendering.
- **Designed responsive** email templates for email clients and browsers.
- **Created an intelligent notification and chat bot** for onboarding and FAQs. **Developed a open source babel plugin** to quickly implement translations to the entire project. **Enhanced accessibility** with text customization and color filters, aligning with WCAG standards. **Experimented advanced features** like speech synthesis and recognition, improving accessibility.

Tools Used: *JavaScript, Express, Reactjs, Alt.js, Accessibility, SSR, MongoDB, Babel Plugin(OSS)*

Bumbee Labs AB,   Stockholm, Sweden
Software Engineer Intern (Summer Project)   July 2015 - September 2015

- **Applied MongoDB aggregation framework** and map-reduce to generate pre-aggregated and structured reports from millions of samples with raw data.
- **Enhanced full-stack dashboard application** with gulp build and assisted implementing Key Performance Indicators.
- **Explored the feasibility of migrating the tech stack** to Reactjs and the Eve Python framework.

Tools Used: *MongoDB, AngularJS, Python, Heroku, Laravel (PHP), System Monitoring*