CONTACT DETAILS

sathyam.peram@gmail.com +46 737 641 917 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)
- Google: Computational Thinking for Educators (2015)
- 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

Peramanathan Sathyamoorthy

Senior Software Engineer

GitHub | LinkedIn

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

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 October 2021 - December 2022

Engineering Team Lead (15 months)

- 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*

FAMILIAR TECHNOLOGIES

- AGI & Infra(New): LangChainjs, LLMs, Terraform, AWS SageMaker, AWS Bedrock
- Workflow: Graphite (Stacking PRs)
- Fullstack: Remix, Nextjs, Astro, Solid-start
- Languages: C, C++, Java, R, Erlang, Rust, Elixir
- Data Science & ML: R, Python, NumPy, Panda, Scikit-learn
- Front-End tools: Esbuild, Viteis
- API Frameworks: Django, Flask, Eve
- Databases: MySQL, Postgres, MongoDB
- Deployment: AWS (EC2, S3, IAM, ELB), Heroku, Netlify, Vercel, Fly.io
- Miscellaneous: Data
 Visualization, KPI
 Implementation, SEO
 Optimization, Accessibility
 Compliance, Speech
 Recognition, Chat Bot
 Development

LANGUAGES

- Tamil (Native)
- English (Proficient)
- · Swedish (Basic)

EDUCATION

Master of Science in Computer Science, Uppsala University, Uppsala, Sweden (2010 - 2016)

Master of Science in Operations Research and Computer Applications, National Institute of Technology, Tiruchirappalli, Tamilnadu, India (2007 - 2009)

Bachelor of Science in Mathematics, Kadhir Mohideen College, Affiliated to Tiruchirappalli Bharathidasan University, Adirampattinam, Thanjavur, Tamilnadu, India (2004 - 2007)

REFERENCES

Oneflow AB

EXPERIENCE

Stockholm, Sweden 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

JavaScript Developer(23 months)

Full Stack Integration Engineer (31 months)

Stockholm, Sweden 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 July 2015 - September 2015

Software Engineer Intern (Summer Project)

- 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*