

Peramanthan Sathyamoorthy

Curriculum Vitae

Summary

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Senior Software Engineer and naturalized **Swedish** citizen of **Indian** origin 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.

Recent Relevant Recorded Experiences

Apr 2017 - Dec 2024 (7 years 9 months) **Senior Software Engineer (24 months) ↑ Engineering Team Lead (15 months) ↑ Full Stack Integration Engineer (31 months) ↑ JavaScript Developer(23 months)**, *Onflow AB, Digital Signature and Contract Management Platform*, Stockholm 🇸🇪

Main JavaScript, TypeScript, Connexion, Reactjs, Jest, Enzyme, Testing-library, Playwright

Others MySQL, Express.js, Flask, Python, Backbone.js, Marionette, Webpack, Grunt.js

Jan 2016 - Mar 2017 (1 year 3 months) **Full Stack Developer**, *Weavler AB, An accessible e-commerce platform for artisans with 1.6M SEK PTS grant 2015*, Stockholm 🇸🇪

Main JavaScript, Express.js, Reactjs, Alt.js, Accessibility, SSR, Babel Plugin(OSS)

Top Software Engineering Skills at Work

Development **Git**, **JavaScript**, **TypeScript**, **Reactjs**, **Redux**, **Alt.js**, **MongoDB**, **AWS**, **Bamboo**(CI/CD)

Practices **Agile**, **TTD**, **BDD**, **E2E**, Pair/Mob Programming and Testing

Soft Skills Leadership, Team Building, Mentorship, Cross-Team Collaboration, Strategic Epic Planning, Problem-Solving, Communication, Creative Thinking

Recent Certifications and Courses (September 2024 - Present)

Terraform **HashiCorp Terraform Associate Exam Cram [O'Reilly Live Event] 2 days Live Course**

Langchainjs **LangChain Chat with Your Data**

Langchain.js **Build LLM Apps with LangChain.js**

Occasionally Used and Familiar Technologies

AGI & Infra **New** **LangChainjs**, **LLMs**, **Terraform**, **AWS SageMaker** and **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 **Esbuilt**, **Vitejs**

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

Stockholm, Sweden


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Open Source Contributions

Jan 2017 - Feb 2017 **Babel Plugin: FormatJS compatible react-intl translation hint modules generator**




Internships

Jul 2015 - Sep 2015 **Software Engineer Intern (Summer Project)**, *Bumbee Labs*, Stockholm 
(3 months) **Main** MongoDB, AngularJS, Python, Heroku, Laravel (PHP), System Monitoring

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**

Education

- 2010 - 2016 **Master of Science in Computer Science**, *Uppsala University*, , Grade: 3.92/5
Thesis: **Enabling Energy-Efficient Data Communication with Participatory Sensing and Mobile Cloud**, *Cloud-assisted Crowd-sourced Data-driven Optimization*
- 2007 - 2009 **Master of Science in Operations Research and Computer Applications**, *National Institute of Technology*, Tiruchirappalli, Tamilnadu, , Grade: 8.08/10
- 2004 - 2007 **Bachelor of Science in Mathematics**, *Kadhir Mohideen College*, Affiliated to Tiruchirappalli Bharathidasan University, Adirampattinam, Thanjavur, Tamilnadu , Grade: 74.09 %