

# Peramanthan Sathyamoorthy

## Curriculum Vitae

### Summary

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**Senior Software Engineer** and naturalized **Swedish** citizen of **Indian** origin with over *8 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)**, *Oneflow 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

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## Open Source Contributions

Jan 2017 - Feb 2017 [Babel Plugin: FormatJS compatible react-intl translation hint modules generator](#)

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## Internships

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


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## 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](#)

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## 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 %