Peramanthan Sathyamoorthy

Curriculum Vitae

Summary

Senior Software Engineer 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. I am a naturalized **Swedish citizen** of **Indian** origin.

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 Development 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	Esbuild, 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

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 %