

Vinod Santharam

Team lead and frontend engineer who designs the UX before writing the code.

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github.com/vinodsantharam

16 years

building products, since 2010

4 countries

Thailand, Canada, Switzerland,
France

6 languages

fluent in French, English, Tamil

PROFILE

Software engineer building products since 2010, combining strong technical expertise with mentoring and team-building. Deeply passionate about product design and user experience, I strive to bridge the gap between engineering and customer value.

EXPERIENCE

2C2P (Ant Group)

2024 – Present · Bangkok, Thailand · On-site

Team Lead

Jun 2025 – Present

Leads a greenfield product, from Figma UX flows to a Next.js monorepo and a shared component registry.

- Led a greenfield project and the team's agile process

- Designed the UX flows in Figma

- Ran Next.js monorepo projects on Turborepo

- Built a React UI component library (Tailwind CSS, shadcn/ui) and its publishing pipeline as a registry

- Designed and built an AI agent proof of concept with the OpenAI Agents SDK

Software Engineer

Jul 2024 – Aug 2025

- Led full development of a high-traffic payment page on Next.js and Tailwind: system design, cloud topology, cost optimisation and Core Web Vitals monitoring

- Drove a greenfield onboarding roadmap, agile delivery and alignment with Product and Design

- Defined UX strategy through Figma flows, influencing Product and Business stakeholders

Liveblocks

2022 · Montréal, Canada · Remote

Software Engineer

May 2022 – Dec 2022

Built open-source examples, customer APIs and starter kits for a real-time collaboration platform.

- Developed the React Native example using Liveblocks

- Designed and built REST APIs on Node.js used by customers

- Added a new feature to the administration section (Next.js)

- Built the foundations of the Next.js starter kit

- Integrated Auth0 into the authentication system

- Wrote documentation

Nexus Innovations

2020 – 2022 · Montréal, Canada · Hybrid

Senior Software Engineer

May 2020 – Apr 2022

Shaped frontend architecture, led Angular apps and built a React UI kit, with some .NET on the side.

Took part in frontend decisions inside the architecture team

Led and developed Angular web applications

Designed and built a UI kit and custom components with React and MUI

Wrote the frontend coding guidance

Trained junior developers on Angular and React, and ran a workshop on RxJS

Worked on the back end: .NET, C#, SQL Server, Service Bus and Azure Functions

nag informatik AG

2017 – 2019 · Basel, Switzerland

UI Architect

Jan 2019 – Sep 2019

Owned frontend architecture and designed the UI in Figma, after two years as a senior full-stack developer.

Produced mockups in Figma as the team's UI/UX designer

Led the frontend architecture and built Angular 8 and Vue.js 2 applications from scratch

Designed and built the UI kit and custom components with Angular Material

Advised on Scrum and development process: Git branching, code review, pull requests

Wrote frontend coding guidance and trained junior developers on Angular, Vue.js, CSS and RxJS

Gave bi-monthly company talks on UI/UX and on blockchain, and analysed mobile and web trends

Software Developer Engineer

Apr 2017 – Dec 2018

Senior full-stack developer on React, ASP.NET and C#

Mentored junior developers and coached the support team

Solved performance issues, from memory leaks to slow stored procedures

Built a test data generator with React, Redux and Electron

Ran workshops on Ethereum development and co-ran one on React

GSOFT (now WorkLeap)

2016 · Montréal, Canada

Software Developer Engineer

May 2016 – Nov 2016

Redesigned a WPF application as XAML integrator and led its custom controls architecture.

Built custom WPF controls in Microsoft Blend and led their architecture

Wrote the XAML/MVVM coding guidance and trained developers on WPF

Worked on the UI/UX revamp with the business analyst and the lead designer

Resolved performance issues, built development tools and reviewed code

Awarded best monthly department employee

Orchestra 2013 – 2016 · Montréal, Canada
Software Developer Engineer Apr 2013 – Apr 2016
Built Orchestra Commerce Cloud features, then led a Windows 10 point-of-sale app for B2B customers.

- Led the POS project: technical decisions, full-stack development, analysis, design and code review
- Helped build the redux.NET framework and used it in the POS, developing features test-first with NUnit
- Built Silverlight features on MVVM with Prism, custom controls in Blend, and integrated Telerik controls
- Added a REST API layer with ServiceStack and improved the product management experience
- Customised Microsoft Dynamics AX7 MPOS/CloudPOS in HTML, CSS and TypeScript
- Built a Xamarin Android and iOS proof of concept, and wrote integration tests with SpecFlow
- Onboarded new team members and led knowledge transfer on the frontend stack

Euro Information Développements (Crédit Mutuel) 2011 – 2012 · Strasbourg, France
Software Developer Engineer Nov 2011 – Dec 2012
Migrated a legacy z/OS banking system to .NET and shipped the Silverlight app built on it.

- Silverlight software in production from September 2012, released in Scrum iterations
- .NET information system in production from July 2012
- Batch programs for the BI team in production from December 2011, then reworked for a SAP BusinessObjects upgrade

IGBMC 2010 – 2011 · Strasbourg, France
Software Developer Engineer Sep 2010 – Sep 2011
Prototyped a web portal on IBM WebSphere for a biomedical research institute.

- Installed and maintained WebSphere Application Server and Portal 7.0
- Built Java/J2EE portlet applications with JSP and jQuery
- Deployed web services with Axis and Tomcat for biological computation in Java and Python

SIDE PROJECT

Di Vini 2020 – 2021 · Remote
CTO & Principal Software Engineer Oct 2020 – Dec 2021
A wine tasting-notes app in React Native, published on the App Store and Play Store.

- Set up the development environment, libraries and project structure
- Integrated Firebase for storage and Google Analytics for tracking
- Built custom components such as an expander, input and toggle button
- Automated releases with Fastlane

EDUCATION

Master of Science · University of Strasbourg 2009 – 2011 · Strasbourg, France
Software engineering, algorithms, bioinformatics, networks, semantics

Bachelor of Science · University of Strasbourg 2005 – 2009 · Strasbourg, France
Software engineering, databases, data structures, mathematics

SKILLS

React · Next.js · Angular · Vue.js · TypeScript ·
React Native · Tailwind CSS · shadcn/ui · RxJS ·
Node.js · .NET / C# · Azure · Figma · UX design ·
Team leadership · Scrum · Claude Code / Cursor /
Kiro

OUTSIDE WORK

Muay Thai, Running, Football, Table tennis,
Cooking, Travel, Reading, Video games

LANGUAGES

French (fluent) · English (fluent) · Tamil (fluent) ·
German (advanced) · Japanese (beginner) · Thai
(beginner)

REFERENCES

Available on request.

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