Vijayakrishna Venkatesan | Fullstack Engineer
Bachelor of Engineering in Computer Science
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Fullstack engineer specializing in building scalable applications designed to reach a consumer base of over 300 million. Expert in optimizing & scaling software using industry-standard principles. Passionate about improving developer experience through open-source contributions and technical writing.

Core Skills

- **Languages/Frameworks**: TypeScript, ReactJS, Node.js, Next.js, Astro, GraphQL, Rust
- **UI:** TailwindCSS, HTML, CSS, Sass
- **Databases**: MongoDB, SQL, Drizzle ORM, Prisma
- **DevOps/CI**: GitLab CI, GitHub Actions
- **Monitoring/Performance**: Elastic APM, New Relic, Sentry
- **Open source**: VS Code Extensions, Language service plugins, npm

Professional Experience

Senior Full Stack Engineer, *Nov 2021 – Present*
Quantilope GmBh, Hamburg, Germany
Leading the modernization of legacy Monolith stack, splitting them into a scalable microservices and single page apps using Typescript, React, GraphQL and MongoDB

- Designed and implemented a federated GraphQL microservice architecture, enabling seamless deployment of 20 microservices.
- Implemented a testing framework using MSW, Storybook, Chromatic and Jest, resulting in over 90% unit/integration test and 100% visual test coverage across 3 applications.
- Launched a Design System comprising over 100 React Components, serving 3 single page applications.
- Published 2 *VS code extensions,* enhancing developer experience through code IntelliSense.

Lead Frontend Engineer, *Nov 2018 – Oct 2021*
About You GmBh, Hamburg, Germany
Spearheaded the modernizing of shopping experience across Europe, utilizing Typescript, NodeJS, React and gRPC

- Led the overhaul of retail shopping platform using React SSR framework and gRPC backend, boosting page load times (FCP by 5x, TTI by 3x) through consistent offloading of JavaScript from browser to server.
- Led a team of 4 engineers, mentoring 2 from junior to mid-level and 1 from mid-level to senior
- Leveraged observability tools to increase throughput by **10x,** error rate down to 0.2%.
- Centralized A/B testing tools, allowing smooth integration of multiple A/B tests with just 3 lines of code.

Frontend Engineer, *Aug 2016 –Sept 2018*
Razorthink Inc, Bangalore, India
Built User interfaces for AI-driven platform, with model building capabilities integrated with Jupiter Notebooks

- Improved rendering performance of large data sets (up to 1TB of streamed data) using React Virtualization.
- Improved page load times by lazy loading over 100+ redux sagas and reducers, reducing JS bundle size by 3x

Web Developer, *Apr 2015 – July 2016*
Cartoon Mango Studios, Bangalore, India
Developed responsive and user-friendly interfaces, contributing to various client projects across different industries using HTML, CSS and JavaScript.

Beyond Work

- Developed a *VS Code extension* for React CSS Modules, enhancing developer productivity, garnering over 11k installs
- Created a *TypeScript language service plugin* to streamline and clean up "Go to Definition" results in VS Code.
- Built **docs.cleardil.com** using Astro, MDX, TailwindCSS, a readable, maintainable documentation. (...more)

Technical Writing

- *Developer Experience Guide for Drizzle ORM*, best practices for efficient ORM workflows.
- *Language Service Plugins in VS Code*, enhancing developer tools and productivity in VS code. (...more)