

RAMAKRISHNAN VEERARAGAVAN

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Senior Full-Stack Engineer & Former Founder

Senior Software Engineer with over 11 years of development experience and 6 years of entrepreneurial leadership. Specialist in the JavaScript ecosystem (React/Node) and Python, with a deep passion for Functional Programming (Haskell/Clojure). Proven track record of driving revenue (\$200k+), scaling applications to 40k+ concurrent users, and building developer tooling that improves team efficiency.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, Haskell, Clojure, Java, SQL.
- **Frontend:** React, Redux, Svelte, Tailwind CSS, D3.js, Three.js, WebSockets.
- **Backend:** Node.js, Express, Python (Flask), Sails.js, GraphQL (Hasura).
- **Infrastructure & Tools:** Docker, Kubernetes, Kafka, Postgres, MongoDB, Git, Raspberry Pi.

WORK EXPERIENCE

Senior Software Engineer, Delivery Hero, Berlin, Germany | *Oct 2022 - Present*

- **Performance Optimization:** Engineered significant frontend performance gains by implementing route isolation, advanced image optimization, and error boundaries.
- **Observability:** Architected custom Grafana metrics dashboards, enabling proactive monitoring of application health and reducing resolution time for production incidents.
- **Developer Experience:** Overhauled the local development environment and refactored complex legacy components, reducing developer friction and build times.
- **Strategic Documentation:** Authored critical technical documentation and architectural one-pagers (including Authentication systems and AQS scoring) to align cross-functional teams on strategic initiatives.

Senior Frontend Engineer, Hasura, Remote / Bangalore, India | *Aug 2021 - Sep 2022*

- **Load Performance:** Analyzed the core codebase and implemented aggressive code-splitting, improving application load performance by **over 50%** within the first week of tenure.
- **Tooling Innovation:** Built a custom PR review application using Svelte to streamline the GitHub review flow; successfully adopted for internal use to accelerate code merge cycles.
- **Code Quality:** Initiated and led a cross-functional quality drive, successfully migrating the codebase to **Tailwind CSS and Immer**, resulting in cleaner, more maintainable state management.

Tech Lead, Tech Mahindra, Chennai, India | *Feb 2016 - Jul 2021*

- **Revenue Generation:** Designed and built a scalable network simulation product supporting **40,000 concurrent users**, generating **\$200k+ in direct revenue**.
- **Architecture Modernization:** Architected the transition of a mission-critical legacy monolith to a microservices architecture (Docker, Kafka, Flask), securing increased investment from the client.
- **Client Retention:** Secured a 3-quarter project extension by proactively proposing and building a value-add web-based test design application (React, Node.js).
- **Team Leadership:** Doubled team productivity by building a custom Chrome extension for internal tooling and developing an automated task-tracking system using Clojure and D3.

Managing Director, Vira Builders, Chennai, India | *Oct 2009 - Feb 2016*

- **Executive Leadership:** Founded and scaled a construction and manufacturing business, managing end-to-end operations including P&L responsibility and supply chain logistics.
- **Operations:** Led a diverse workforce, honing leadership skills in resource allocation, project scheduling, and crisis management.

Applications Engineer / Team Lead, Oracle, Bangalore, India | *Nov 2006 - Oct 2009*

- **Rapid Promotion:** Promoted to Team Lead for a 6-member squad within 3 years (uncommon for early-career associates).
- **Delivery:** Developed Form-ST3 (largest tax form in the ERP suite) using C++, delivering the project weeks ahead of schedule by implementing Agile methodologies early.

KEY PERSONAL PROJECTS

- **Aspy (Compiler/Language):** Designed a pattern-oriented programming language inspired by Haskell and Python. Demonstrates deep understanding of parsing and language design.
- **Rapid (No-Code Generator):** Created a drag-and-drop editor that transpiles visual layouts into production-ready React/Redux code.
- **Chunkable (IDE):** Developed a web-based IDE enabling “bottom-up” programming using React, Esprima (AST parser), and the Monaco editor.

EDUCATION

B.E, Computer Science Engineering *Crescent Engineering College (Anna University) | 2002 - 2006*