Srikanth Bandaru

Staff Software Engineer

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I build the platforms other engineers build on. I've spent 15 years on the web, nearly seven of them at Bayer, where I've led four teams, 28 engineers in all, behind its Crop Science customer sites. About 6M visits a year land on things I helped shape. I care deeply about the people I work with, and I try to learn and teach as much as I can.

Experience

Bayer

Staff Software Engineer, Squad Lead — 2023 – now

- Led the squads behind the Crop Science websites for the US, Canada, Australia and New Zealand, plus Ruveon, and now lead the experience of the Sales apps.
- Proposed the web platform where a new market is a configuration, and wrote its core. The Canada site took 8 engineers a year; New Zealand took 3 weeks, Australia and Ruveon run on it, and its contract carries the Sales apps in 5 countries.
- Built an agent that lets business stakeholders stand up a market's website from a chat, describing the market and picking its tools. The New Zealand site started this way, saving about $200K in agency builds.
- Proposed and shipped an agent-first design system that keeps a brand consistent across web and mobile, built on shadcn with a locked upstream sync so nobody has to staff it. Official for the Customer Experience Platform within a month; 7 teams and 60 engineers build on it so far.
- Built an operating system of project context, decision records and about 30 skills that agents and people both run, so coding agents build the way our teams build.
- After nine hours of workarounds across three regions, traced a global product-page outage to an unlocked transitive dependency in about an hour, and coordinated the fix.
- Co-designed the take-home exercise used to screen vendor engineers and interviewed more than 50 candidates.

Senior Software Developer — 2019 – 2023

- Unblocked a stalled debate by prototyping a headless AEM architecture on Next.js and an Nx monorepo in a week, then built its first screens, navigation and page templates. Crop Science websites in more than 20 countries still run on it.
- Cut p75 Largest Contentful Paint on the Brazil, Argentina and US sites from about 6s to 3s with edge rendering, image caching and smaller JavaScript bundles, measured by real-user monitoring.
- Designed and built a reusable kit that keeps marketing's lead forms inside our sites, so visitors never leave for a vendor page. Since extended by 32 engineers.

Cognizant

Technical Lead — 2017 – 2019

- Led an internal app from concept to customer trials, moved the front-end team onto React and Redux, and open-sourced its form validation library.

InfoDrive Systems

Programmer Analyst — 2016 – 2017

- Led the front end of a mobile-first web app for corporate clients, and taught React to other teams.

Skills

Backend and infrastructure
Node.js, GraphQL, PostgreSQL, Nx and Turborepo monorepos, GitHub Actions, Docker, AWS CloudFront, Lambda@Edge and CloudFormation

Frontend and product
React, Next.js, TypeScript, React Native, design systems, accessibility and Playwright

AI and agents
LangGraph agents, MCP servers, coding-agent conventions and skills, structured output, Python

Leading
Squad lead, vendor technical ownership, RFCs and decision records, hiring

Projects

Beat the Planner
Race the Postgres query planner, running for real in your tab. It usually wins.

Hunch
A font that guesses the rest of your word. No JavaScript.

Tessellate Me
Draw a cat and the screen fills with interlocking cats.

Writing

Chrome changes how it counts in May 2027

Your auth token is a cache

Education

Pace University
MS in Computer Science, 2015.
New York.

Earlier

Web developer, 2011 – 2016
Pace University's Entrepreneurship Lab and freelance in Hyderabad.