

Shanthosh Krishnakumar

Frontend Web Engineer | React / Next.js | Airline Digital Experience

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Frontend Web Engineer with 15+ years of web development experience, including modern React/Next.js product engineering, legacy application modernisation, CMS delivery, CI/CD and customer-facing digital journeys. Currently with Tata Consultancy Services in Auckland, contributing to Air New Zealand digital experiences across booking, manage booking, check-in, digital identity/credentials, external identity and consent flows. Strong record of converting complex business requirements and design systems into accessible, performant, maintainable web applications that support real customer outcomes.

CORE VALUE PROPOSITION

- Modern frontend engineering: React, Next.js, Vue, TypeScript, component architecture, state management, forms, validation and frontend testing.
- Airline and customer journey experience: booking, manage booking, check-in, loyalty-related flows, identity/credentials and consent-oriented digital experiences.
- Legacy-to-modern transformation: rebuilt heavily patched web applications into maintainable React-based SPAs with reusable components and clearer architecture.
- Delivery mindset: collaborates with product, design, backend, QA and business stakeholders in Agile teams to ship practical, high-quality features.

TECHNICAL STRENGTHS

Frontend	React.js, Next.js, Vue.js, Astro.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, SCSS, Bootstrap
Architecture & State	Redux Toolkit, TanStack Query, Context API, Pinia, Vuex, Micro Frontends, reusable component libraries, custom hooks
Forms, Quality & UI	React Hook Form, Formik, Zod, Yup, React Testing Library, Vitest, Jest, MSW, Storybook, shadcn/ui, Material UI
Backend / CMS / Integrations	Node.js, Express.js, REST APIs, GraphQL, Sanity, WordPress, HubSpot CMS, Stripe integration
DevOps & Tools	Azure DevOps, GitHub Actions, CI/CD pipelines, releases/deployments, DNS, Google Tag Manager, Figma-to-code delivery

PROFESSIONAL EXPERIENCE

Associate Consultant / Web Engineer | Tata Consultancy Services -
Air New Zealand client | Auckland

Apr 2025 - Present

- Contribute to frontend development for Air New Zealand digital experiences across booking, manage booking, check-in, external identity, digital identity/credentials and consent-related flows.
- Worked on the publicly announced Economy Skynest experience within booking/manage-booking journeys, supporting a high-visibility customer feature associated with Air New Zealand's long-haul travel innovation.
- Contributed to loyalty-points related booking-flow enhancements, translating product requirements and UX designs into maintainable frontend components while respecting unreleased feature confidentiality.
- Collaborate with squad members, QA, product, designers and backend/API teams to refine requirements, validate edge cases and deliver accessible, responsive user interfaces.
- Apply modern frontend practices including React/Next.js, TypeScript, reusable components, form validation, testing awareness and CI/CD-oriented delivery.

Tech / tools: React, Next.js, TypeScript, modern JavaScript, component-based frontend delivery, Agile/Scrum, Azure DevOps

Frontend Developer | HainesAttract | Auckland

Apr 2017 - Apr 2024

Built and modernised recruitment, employer-branding and internal business applications, moving key products from legacy patterns to more maintainable frontend architecture.

- Rebuilt HainesLink from a heavily patched legacy application into a modern React SPA with routes, pages, data tables, cards, modals, forms, validation, dashboards and reusable components.
- Developed modules covering authentication, authorisation, solutions, tasks, pricing, credits, client rates, invoices, offerings, vacancies, job listings, ATS integrations, approvals and user portals.
- Integrated frontend features with Express.js/Node.js REST APIs to support CRUD workflows and internal operational processes.
- Created the WorkHere application frontend from the ground up using ASP.NET, jQuery, SCSS, Bootstrap and supporting UI libraries; carried out testing, debugging and error handling across frontend and backend areas.
- Created HainesAttract's corporate website using Astro.js, TypeScript and Bootstrap, and delivered static client websites, campaign pages and landing pages from Figma/mock designs.
- Configured Azure DevOps CI/CD pipelines and releases, managed DNS records, and set up Google Tag Manager tags/triggers for web applications and websites.
- Built HubSpot CMS modules, forms, templates, global content and menus; customised Teamtailor styles and JavaScript across campaign/job templates and pages.

Tech / tools: React 17, ES6+, Formik, Yup, Material UI, CSS-in-JS, data grids, GraphQL, Recharts, react-pdf, drag and drop, d3-tree, date/time pickers, webpack, ASP.NET, jQuery, SCSS, Bootstrap, Astro.js, TypeScript, HubSpot CMS, Teamtailor, Azure DevOps

Web Developer | Freelancing | Auckland

Oct 2015 - Mar 2017

- Delivered responsive websites and web development support for small business and client projects, covering frontend build, CMS updates, styling, forms and deployment support.

Senior UX/UI Developer | Fashion Biz Ltd. | Auckland

Dec 2013 - Sep 2015

- Created and maintained user-facing web interfaces, combining UX/UI design sensibility with production frontend development for business and customer-facing web properties.

Solution Developer | Sandfield Information Systems | Auckland

Aug 2012 - Dec 2013

- Worked on solution delivery activities spanning frontend implementation, interface updates and business application support in a software delivery environment.

Web Development Consultant | Zealmark Group Ltd. | Auckland

Aug 2010 - Mar 2012

- Delivered website development, UI implementation and client-facing web support across business website and digital marketing requirements.

Website Developer & Graphic Designer | Freelancing | Auckland

Jul 2009 - Aug 2010

- Combined website development and graphic design to produce small-business websites, visual assets and web updates.

Web Administrator | Innova Products Ltd. | Palmerston North

Feb 2007 - Jun 2009

- Administered and maintained company web content, supporting early-career website operations, updates and online product information.

SELECTED CERTIFICATIONS AND CONTINUOUS LEARNING

- Udemy: Vue - The Complete Guide, including Router and Composition API (Feb 2025).
- IBM: Cloud Native, DevOps, Agile and NoSQL; React Front-End Apps; Node.js and Express Back-End Apps; Software Engineering; Git and GitHub; JavaScript Programming Essentials (2024).
- LinkedIn Learning: Software Developer, JavaScript, Front-End Web Developer, Web Developer and Vanilla JavaScript learning paths (2021-2022).