REVATHY SANTHANAM

Full Stack Developer | Frontend Engineer | Software Engineer | React Developer

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SUMMARY

Full stack developer with 6 years of experience developing a scalable B2B and B2C eCommerce product that powered 12+ sites, serving over 10M+ users. Proven expertise in React, TypeScript, and Python, with a strong focus on building performant frontend architectures, defining API schemas, and driving R&D for design systems and theming. Experienced in implementing customer behavior analytics, CMS integrations, and complex payment workflows. Collaborated with Icelandic clients to align technical solutions with business goals, manage project milestones, and lead agile sprint planning for consistent, high-quality delivery.

TECHNICAL SKILLS

Frontend: HTML5, CSS3, SASS, Styled Components, JavaScript ES6, TypeScript
Frameworks: React JS, Next.js Libraries: React Router DOM, React Hooks, Context API, Apollo GraphQL
Backend: Python, Node.js, Pydantic
Bundling: Vite, SWC, Webpack, AWS CodeArtifact
AWS: DynamoDB, EC2, S3, ALB, CloudWatch, CloudFront CDN
Architecture Patterns: Microservices, Monorepo, RESTful APIs
Database: DynamoDB, Algolia
ERP & CMS: Magento, Microsoft Business Central, DatoCMS
Testing: Cypress, Pytest
Linting & Type Checking: ESLint, flake8, mypy
Analytics & Marketing: Google Analytics, Google Tag Manager, Meta Analytics, Klaviyo
AI: Generative AI, OpenAI GPT-3.5 Turbo, Prompt Engineering, Image Processing
Design: Figma, Photoshop, InDesign
Version Control: Git
DevOps: Docker, CI/CD GitHub Actions
Servers: Nginx
Process Management: PM2, Supervisor

EXPERIENCE

Software Engineer / Full Stack Developer / Release Manager

Roanuz, Chennai | 12/2021 - Present

Product 1 - Teroshop, Ecommerce Product (B2B and B2C) - In Development

Led eCommerce product development with three integrated systems: Modular React TypeScript component library published to AWS CodeArtifact using Atomic Design, independent Python microservices backend connecting Microsoft Business Central webhooks to DynamoDB and REST APIs, and standalone SaaS theming tool using Gen AI, LLM eliminating designer dependency. Managed Agile sprint planning with Iceland partner teams, translating business requirements into technical specifications for weekly production deployments.

Project Links:

[Payments Link Demo,](#) [Atomic Design System,](#) [Ecommerce Primitives,](#) [E-commerce Boilerplate](#)

Key Achievements:

- Engineered modular eCommerce platform using React, TypeScript, Vite, HTML, CSS for atomic design system in frontend maintaining W3C Accessibility Standards and published as component libraries to AWS CodeArtifact.

- Implemented Python microservices architecture with Microsoft Business Central API integration, DynamoDB REST APIs, AWS CloudWatch logs monitoring, and S3 file upload services for scalable backend operations.

- Secured Payment APIs with JWT tokens, domain firewall protection, EC2 security groups, S3 bucket permissions, CDN, load balancer port access controls, DynamoDB role-based access for comprehensive security architecture.

- Integrated multi-payment gateways Verifone, SiminnPay, Netgiro, Planet with Apple Pay, Google Pay, saved card tokenization, and device-browser detection for automated transaction processing and optimized checkout workflows.
- Developed Gen AI theming automation using OpenAI GPT-3.5 LLM for dynamic UI generation and Pillow library for image processing and visual content manipulation.
- Developed ERP plugin the theme automation saas for Microsoft Business Central using AL programming language, published to AppSource marketplace for multi-tenant SaaS deployment and enterprise integration.
- Served as Release Manager leading Agile sprint planning, cross-functional team collaboration with Iceland partners, translating business requirements into technical specifications for weekly production deployments.
- Deployed AWS EC2 infrastructure using PEM authentication, PM2, Supervisor process management, nginx CORS security, automated CI/CD pipelines via GitHub Actions reducing manual deployment errors by 80%.

Product 2 - Omnishop, Ecommerce Framework (B2B and B2C) - In Live
Built a scalable eCommerce framework using Next.js and Magento, delivering 10+ projects with advanced CMS, analytics, and personalisation. These platforms collectively serve over 10M+ users across B2B and B2C markets. Integrated DatoCMS, Algolia, and Klaviyo for dynamic content, fast search, and targeted email flows. Enhanced UX with features like Gift Registry and marketing insights via Google and Meta analytics.

Project Links:

Globus, Ibudin, Utilif, A4, TL, HT, Rafland, Kunigund, Asbjorn, Bestseller, Byggtogbuid

Key Achievements:

- Delivered 10+ feature-rich eCommerce projects using Next.js, SASS, Styled Components and Magento within 4-week sprints each, collectively serving over 10M+ users across B2B and B2C markets.
- Architected flexible content management schema using DatoCMS, Node JS, GraphQL rendered as Static Site Generation (SSG), enabling clients to create and manage complex e-commerce pages in 30 seconds and enabling 100% client self-management without developer assistance.
- Accelerated search with Algolia Instant Search, delivering results in under 1ms with Server Side Rendering (SSR) Boosted user engagement with personalised email flows using Klaviyo, including abandoned cart reminders, checkout success and product view notifications.
- Developed responsive web applications optimised for iPhone, Android, iPad, desktop, and Mac, with thorough cross-browser compatibility testing (Chrome, Safari, Firefox, Edge).
- Enhanced user experience with Gift Registry feature with DynamoDB.

Front End Developer

Hogarth Worldwide, Chennai | 06/2019 - 12/2021

Roles and Responsibilities:

- Built responsive banners with HTML, CSS to develop design from Photoshop and marketing creatives for global brands including Rolex, Dyson, Coca-Cola, Nescafe, and Hilton, maintaining pixel precision and brand fidelity.
- Led the development of interactive eDetailers using Javascript from Indesign eWizard Framework for pharmaceutical clients like Bayer and Xarelto using animation-driven SVGs.
- Designed and built emailers and campaign creatives using HTML/CSS from Indesign with seamless rendering across platforms.

EDUCATION

Electronics and Communications (B.E) | 72%
St.Joseph College of Engineering, Chennai

Higher Secondary School (HSC) | 85%
Lourdes Girls Higher Secondary School, Chennai

Secondary School Leaving Certification (SSLC) | 92%
Lourdes Girls Higher Secondary School, Chennai