
Thirumala Sai Sriram Ponugoti

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PROFESSIONAL SUMMARY

Software Engineer with 5 years of experience across Fintech, Healthcare, and Telecommunications domains. Skilled across all layers of the software development life cycle (SDLC) design, coding, testing, and deployment using multiple programming languages including TypeScript and JavaScript. Strong analytical and problem-solving skills with a proven record of building scalable APIs, enterprise backend systems, and responsive web applications. Effective communicator and collaborative team member in Agile/Scrum environments.

TECHNICAL SKILLS

- **Languages & Frameworks:** TypeScript, JavaScript (ES6+), React 16/17/18, Next.js, Node.js, NPM, Figma
- **Backend & APIs:** RESTful APIs, Microservices Architecture, JWT, OAuth, JSON
- **Cloud & AWS:** Lambda, S3, EC2
- **Databases:** PostgreSQL, Prisma ORM
- **DevOps:** Docker, Kubernetes, Jenkins, CI/CD Pipelines, Git/GitLab, GitHub, Splunk, Agile/Scrum
- **Compliance & Industry Standards:** HIPAA, WCAG 2.1 AA, PCI DSS
- **Testing & Tools:** Jest, React Testing Library, WordPress CMS, Jira
- **AI Development Tools & OS:** GitHub Copilot, Claude AI, Linux, Windows

PROFESSIONAL EXPERIENCE

Client: Synovus

Dec 2024 - Present

Role: Software Engineer

- Designed and coded insurance policy management software across all layers of the SDLC using Node.js, TypeScript, and React covering application, renewal, and cancellation workflows while documenting code and technical processes per company standards.
- Developed RESTful APIs with Express.js to handle user input for insurance quotes, routing requests through middleware-based validation and returning secure, structured JSON responses across server and network layers.
- Utilized Prisma ORM to define relational database schemas mapping policy structures and coverage to MS SQL tables, maintaining data integrity and consistency across multiple programming languages and service layers.
- Containerized services with Docker and orchestrated deployments via Kubernetes, configuring CI/CD pipelines to automate building, testing, and releasing across environments with minimal downtime ensuring compatibility across hardware and software configurations.
- Leveraged AWS S3 and Lambda for secure document storage and serverless workflow automation; utilized Splunk for real-time observability, dashboard creation, and incident resolution to maintain application health against industry standards.
- Collaborated cross-functionally in an Agile/Scrum environment, managing backlog refinement and story point estimation in Jira; accelerated development by 25% using GitHub Copilot and Claude AI for code refactoring and quality improvement.

Tech Stack: React, Redux Toolkit, Node.js, TypeScript/JavaScript, CI/CD, AWS (S3, Lambda, EC2), Docker, Kubernetes, Jira, Agile/Scrum, Splunk

Client: Advent Health

Nov 2021 – July 2023

Role: Software Developer

- Designed and built a responsive React frontend using Redux Toolkit and Material-UI for an internal Electronic Health Record (EHR) system, supporting client-server communication and ensuring full HIPAA compliance across all layers of the development life cycle.

- Developed and documented scalable RESTful APIs using Express.js and Node.js for secure JSON-based data communication, implementing granular CORS configurations to prevent unauthorized cross-origin requests and enforce network-level security standards.
- Optimized relational database integrity using Prisma ORM with TypeScript to enforce strict typing and manage complex PostgreSQL relationships, improving data consistency and analytical query performance.
- Built automated test suites using Jest and React Testing Library, validating component reliability by simulating real-world user interactions ensuring code quality meets industry standards before deployment.
- Containerized Node.js applications with Docker for consistent testing, staging, and production environments within CI/CD pipelines, collaborating closely with cross-functional teams to deliver iterative improvements in a collaborative Agile environment.

Tech Stack: HTML, Tailwind CSS, React, TypeScript, JavaScript ES6+, Redux Toolkit, Material-UI, Node.js, Express.js, RESTful APIs, JWT, PostgreSQL, Prisma ORM, GitHub/GitLab, Docker, Jenkins, CI/CD, Jest, React Testing Library, Jira, HIPAA

Client: Ericsson

March 2020 – Oct 2021

Role: Front-End Developer

- Designed, developed, and launched campaign landing pages and marketing assets using Next.js, React.js, and TypeScript/JavaScript across the full SDLC, driving improved user engagement and conversion rates.
- Built and maintained CMS templates in WordPress and Contentful, enabling non-technical marketing teams to independently update content without code changes and documenting workflows to reduce cross-functional developer dependency.
- Translated Figma design mockups into high-quality, responsive HTML/CSS/JavaScript code, ensuring pixel-perfect implementation and consistent brand compatibility across multiple hardware and software environments.
- Optimized front-end performance by implementing SSR/SSG rendering strategies, achieving page load times under 2.5 seconds and improving SEO rankings; enforced WCAG 2.1 AA accessibility standards across all components to meet industry compliance requirements.
- Established comprehensive Jest unit testing coverage and collaborated with marketing and analytics teams to integrate tracking tools, document performance benchmarks, and drive data-driven optimizations using analytical insights.

Tech Stack: HTML, Tailwind CSS, TypeScript/JavaScript (ES6+), Material UI, WCAG 2.1, Webpack, React, Next.js, Node.js, NPM, Jest, Git/GitHub, Jira

EDUCATION & CERTIFICATIONS

Master's in computer science, Lamar University, Texas | GPA: 3.6/4

August 2023 - May 2025

- AWS Certified Developer - Associate
- Meta React Developer Professional Certificate