Chandrika Endukuru Sathyanarayana

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PROFILE

Front-End Engineer with **4+ years** of experience delivering scalable, responsive, and accessible web applications. Proficient in **Angular (14–18), TypeScript, JavaScript, HTML5, and CSS3**, with strong expertise in building reusable components and design systems. Hands-on with **Angular Signals**, **Semantic tags**, **standalone components**, **RxJS**, and **API** integrations to create performant and maintainable solutions. Experienced in **WCAG-compliant**, **cross-browser** and **multi-device** development. Skilled in **Agile delivery**, collaborating closely with **product, design, and backend** teams while supporting **CI/CD workflows** and **Git version control**. Recognised for simplifying complex requirements into user-friendly interfaces and currently expanding capabilities in **React** and **Node.js**.

CORE SKILLS

Angular 16+ | React | TypeScript | JavaScript | HTML5 | CSS3/SCSS | Responsive Design | Angular Signals | Standalone Components | RxJS | WCAG 2.1 AA Accessibility | RESTful APIs | Agile Delivery | Micro Front-Ends | CI/CD (Jenkins, Docker, Azure) | Git Workflows | Performance Tuning | JSON Data Integration | Cross-Browser Testing | i18n & Localisation (Global UX, RTL Layouts) | Design Tokens | Component Libraries | Wireframes | Testing (Jasmine, Jest, Cypress, Karma) | SOLID Principles | Figma | MySQL | AWS | Swagger | Tableau | Power BI | SQL Server

WORK EXPERIENCE

Macquarie University – Faculty of Science & Engineering | Sydney, NSW, Australia
Project Officer (Contract) / Sep 2024 - Jan 2025

Worked on building a workload planner from the ground up, combining business analysis with technical solutions. Partnered with multiple departments to understand data challenges and create clear process flows. Delivered user-friendly tools that improved efficiency and reporting speed.

- Designed and implemented a **PowerApps-based workload planner** for four schools, integrating data from spreadsheets and automating staff allocation.
- Analysed complex data flows, mapped business processes, and documented requirements for staff workload distribution.
- Developed secure **role-based access controls, real-time tracking dashboards**, and **automated reporting pipelines**.
- Produced **wireframes** and **prototypes** to support stakeholder engagement and adoption.
- Coordinated with academic and admin staff to standardise workload planning processes.

Key Achievements:
- Standardised workload planning across departments, improving data consistency by 35%.
- Reduced reporting turnaround time from 5 days to 1 day through automation and real-time updates.

Freelancing Full Stack Developer (Contract – Remote) | Mar 2024 - Feb 2025

Started as a final-year project and later extended into a professional engagement, delivering a full-stack Glossary Management System. Worked end-to-end from design to deployment, using **Angular 16+, standalone components, and RxJS**. Integrated **APIs and JSON data**, created wireframes, and ensured responsive, accessible layouts. Managed version control on GitHub and deployment on Netlify.

Code available in GitHub (private, accessible on request) | Demo available on request.

- Built scalable standalone Angular components with **Signals**, **Lazy loading** and **RxJS** for dynamic term matching and latest feature deployments.
- Integrated **RESTful APIs, JSON data structures**, and responsive **WCAG**-compliant layouts.
- Developed reusable component libraries, contributed to design tokens, and implemented internationalisation (i18n).
- Produced wireframes and prototypes to refine UI/UX workflows before full implementation.
- Implemented unit, integration, and E2E testing with **Jasmine**, **Jest**, and **Cypress**.
- Conducted cross-browser/device testing across desktop, mobile, and kiosk/POS contexts.
- Managed version control and CI/CD workflows using GitHub.
- Conducted accessibility testing in line with WCAG standards to ensure compliance and usability.

Key Achievements:
- Delivered a client-approved UI Framework extended beyond academic phase with **live demo hosted** on **Netlify**.
- Improved performance with **AgGrid** advanced features (**filtering, sorting**), reducing retrieval times significantly.

Infosys Limited | India (Client: US Healthcare Sector)
Senior System Engineer - Frontend Developer (Full time) | Sep 2019 - Jun 2022

Part of the core frontend team for a healthcare platform, developing scalable Angular applications. Built reusable UI components, improved performance, and ensured accessibility. Worked closely with backend teams and UX designers to deliver reliable, production-ready solutions for enterprise clients.

- Developed **Angular-based reusable UI components** for **Infosys Helix**, a large-scale healthcare insurance platform.
- Implemented advanced Angular features including **lazy loading**, **dependency injection**, **reactive forms**, and observables with **RxJS**.
- Built **SOLID-compliant** component libraries aligned with **WCAG standards**.
- Conducted accessibility testing in line with **WCAG standards** using tools such as **WAT** to ensure compliance and usability.
- Integrated frontend with **Spring Boot APIs** and ensured seamless data exchange.
- Used **AgGrid** for advanced data handling: lazy loading, custom cell rendering, high-performance filtering.
- Collaborated with UX/UI designers to create wireframes and convert them into production-ready components.
- Wrote unit/integration tests with Jasmine and Jest, and automated E2E tests with Playwright.
- Enhanced **CI/CD** pipelines with **Jenkins**, **Docker**, and **Azure DevOps**.
- Conducted cross-browser/device testing across desktop, mobile, and kiosk contexts.
- Mentored junior developers and led a 6-member frontend team to deliver features on schedule.

Key Achievements:
- Secured two **US healthcare clients through successful Helix product demos**.
- Improved delivery speed by **25% by developing reusable, SOLID-compliant** Angular components.

Infosys Limited | India
System Engineer Intern | Dec 2018 - Aug 2019

- Completed Angular, REST API, Spring Boot, and PEGA training.
- Developed production-ready UI components using Angular and Bootstrap.
- Delivered workingcode integrated with Spring and Hibernate for internal tools.

QUALIFICATION

Dual Master`s degree - Business Analytics and Information Systems Management - Macquarie University, Sydney, NSW, Australia   Jun 2022 - Jul 2024

Bachelor's in Information Technology - St. Joseph's College of Engineering, Anna University, India   Jun 2015 - May 2019

PROJECTS

- **React E-commerce Website (In 1st Phrase)** – Developing a responsive online store with React, Redux, REST APIs, and Node.js middleware. Includes product listing, order management, and user authentication features.
- **Glossary Management System** – Designed and implemented a web-based term management tool for the architecture industry, improving terminology standardisation and search efficiency.
- **Infosys Helix Platform** – Contributed to developing a large-scale healthcare insurance platform from scratch, implementing scalable front-end architecture and reusable components.

ADDITIONAL INFORMATION

- Australian Working Rights: Subclass 485 – Full work rights (valid until Jan 2028)

- Availability: Immediate