

# Indhar Premchand — Front-End Engineer

Chennai, Tamil Nadu, India

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## Professional Summary

Results-driven Front-End Engineer with 4 years of hands-on experience designing and developing responsive, user-centric web applications. Expert in modern JavaScript frameworks (Angular, React), micro-frontend architecture, and enterprise-scale UI development. Proven track record in implementing authentication systems (SSO, Azure AD, Keycloak), RBAC, building reusable component libraries, and optimizing application performance. Strong foundation in accessibility standards (WCAG), CI/CD pipelines, and Agile methodologies. Passionate about creating intuitive user experiences and collaborating with cross-functional teams to deliver scalable solutions.

## Technical Skills

**Languages:** HTML5, CSS3, SASS, JavaScript (ES6+), TypeScript, JSX, jQuery, C++, Java, Python

**Frameworks & Libraries:** React, Angular, Node.js, RxJS, Angular Material, Tailwind CSS, Bootstrap

**Data Visualization:** D3.js, Highcharts, AG Grid, Chart.js

**Frontend Architecture:** Micro-Frontend Architecture, Monorepo Design, Component-Based Architecture, Design Systems, Enterprise Architecture

**DevOps & Tools:** CI/CD Pipelines, Git, Docker, Azure DevOps, Webpack, Jira, Postman, Visual Studio Code

**Testing & Quality:** Jasmine, Jest, Unit Testing, End-to-End Testing, E2E Testing

**Web Standards:** Responsive Design, Accessibility (WCAG 2.1), RESTful APIs, Web Performance Optimization, User Experience Design

## Professional Experience

### Ascendion

Engineer

Bengaluru, India

May 2023 – Present

#### AAVA Elderwand - Enterprise Micro-Frontend Platform

- Architected advanced monorepo and micro-frontend ecosystem using Module Federation, enabling 10+ independent teams to develop, test, and deploy features autonomously while maintaining shared component libraries and core resources.
- Designed scalable enterprise UI architecture supporting multiple product lines with consistent branding, responsive design, and unified functionality across AAVA platform ecosystem.
- Engineered backend-driven authentication framework supporting Single Sign-On (SSO) integrations including Azure AD and Keycloak with minimal frontend configuration changes, reducing deployment time by 40 percent.
- Developed reusable UI component library with 100+ components ensuring design consistency, WCAG accessibility compliance, and accelerating feature delivery across teams by 30 percent.
- Implemented automated CI/CD pipelines using Azure DevOps for multi-module builds, unit testing, end-to-end testing, and production deployment with automated rollback capabilities.
- Mentored 3+ junior developers on micro-frontend best practices, component architecture patterns, and TypeScript fundamentals.

### Ascendion

Senior Associate Engineer

Bengaluru, India

#### AAVA Digital Ascender - AI-Powered Engineering Companion

- Developed full-stack AI-driven digital engineering companion platform with intelligent chatbot interfaces for planning, design, coding, testing, and delivery workflows using React and Node.js.
- Built real-time AI guidance chatbot with context-aware suggestions and multi-turn conversation support, improving developer productivity and code quality metrics.
- Created VS Code plugin extension enabling seamless AI integration into developer workflows, reducing context switching and increasing adoption by development teams.
- Engineered Jira plugin for automated, AI-powered user story and bug creation, streamlining agile workflows and reducing manual documentation time.
- Developed Proof of Concepts (POCs) and enhanced platform features based on user feedback, increasing platform adoption by 35 percent among development teams.

### **AAVA ICE - Cloud Cost Governance Platform**

- Architected interactive D3.js node-tree visualizations and graph-based diagrams for cloud cost analysis, enabling stakeholders to drill-down and optimize cloud spending.
- Built responsive Angular Highcharts dashboards with real-time cost tracking, forecasting analytics, and optimization insights using Angular framework.
- Implemented multi-level AG Grid data tables supporting advanced features including sorting, filtering, exporting, and complex nested data structure management.
- Engineered reusable visualization components and dashboard modules adopted across multiple AAVA platform applications and product lines.

### **Enterprise Minds, Inc. (Contract at Ascension)**

*Junior Software Engineer*

**Bengaluru, India**

*Feb 2022 – May 2023*

### **AAVA ITA - AI-Powered Testing Platform**

- Built enterprise-grade AG Grid-based upload and management system for tracking, organizing, and managing test scripts across multiple projects and teams.
- Developed multi-page routing system with advanced state management using RxJS, improving navigation user experience and application performance.
- Integrated Jira APIs for seamless test automation, issue tracking workflows, and bi-directional data synchronization.

### **AAVA IAF - Accessibility Evaluation Framework**

- Designed and implemented UI for automated accessibility scanning and comprehensive reporting following WCAG 2.1 standards and best practices.
- Built intelligent severity-based categorization system for accessibility issues including Critical, High, Medium, and Low priority classifications.
- Developed Chrome extension for on-page accessibility scanning, enabling QA teams and accessibility specialists to identify compliance gaps in real-time during development.

## **Awards and Recognition**

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**February 2024:** Champion Award - Recognized for exceptional technical contributions to AAVA platform, enabling key project milestones, architectural innovations, and delivering measurable business impact to organization.

## **Education**

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### **SRM University**

*Bachelor of Computer Applications (BCA), GPA: 3.5/4.0*

**Chennai, India**

*2018 – 2021*

### **The Velammal International School**

*12th Grade, Computer Science*

**Tamil Nadu, India**

*2017 – 2018*

### **The Velammal Vidyalaya**

*10th Grade*

**Tamil Nadu, India**

*2015 – 2016*