

# VIVEKANANDAN KUMARAN

---

Junior Angular Developer | 3.5+

+91 9842794762 | vivekanandankumaran1998@gmail.com

## CAREER SUMMARY:

---

Experienced **Angular Developer** with 3.5 years of expertise in **building dynamic and scalable web applications** using **Angular 6 and 12**. Strong proficiency in **TypeScript, RxJS, NgRx, and Angular Forms**, with a deep understanding of **Angular routing, lazy loading, and component-based architecture**. Adept at ensuring **cross-browser compatibility**, managing version control with **Git**, and optimizing workflows using **Node Version Manager**. Thrives in **Agile & Scrum** environments, delivering efficient and maintainable solutions.

## WORK EXPERIENCE:

---

**Chemtreat Inc.**

**Junior Angular Developer | 1.3 Years**

### WORK EXPERIENCE:

Chemtreat provides an exclusive web platform for internal customers to view **machine-generated reports** from various industrial machines. The system offers **real-time data visualization** for critical metrics such as **temperature, pressure, and other measuring points**. Users can customize the displayed unit metrics, analyze data using **interactive charts (scatter, line, etc.)**, and generate detailed customized reports. The platform also allows users to **download reports in PDF format**, enhancing data analysis and decision-making.

### RESPONSIBILITIES:

- Developed **responsive UI components** using **Angular 12 and TypeScript**.
- Implemented **Reactive Forms** to handle dynamic user inputs efficiently.
- Integrated **RxJS** for managing **asynchronous API** calls and data streams.
- Consumed **RESTful APIs** using Angular services for seamless data exchange.
- Conducted **end-to-end testing** to ensure smooth user workflows.
- Debugged **performance issues** using **Chrome DevTools** to optimize UI responsiveness.

### VALUE DELIVERED:

- Improved **user engagement** with a modern, **responsive UI** using **Angular Material**.
- Reduced **form submission errors by 30%** through enhanced validation and error handling.
- Enabled **dynamic and interactive dashboards** for real-time data insights.
- Enhanced **team collaboration and code quality** with Git version control and structured branching.
- Improved **long-term maintainability** by documenting core functionalities and best practices.

---

**Prudential**

**Junior Angular Developer | 1.6 Years**

### WORK EXPERIENCE:

Prudential is an **internal entity management system** that allows users to **create, track, and manage entities** through a structured workflow. The platform functions similarly to a **ticketing system**, where users create entities, attach supporting documents, and submit them for approval. Administrators review, modify, or revert the entities based on compliance requirements. Once approved, the entity progresses through multiple **verification levels** for final validation. The system supports **CRUD operations (Create, Modify, Delete, View)** and includes a **document upload feature** to enhance approval efficiency.

## RESPONSIBILITIES:

- **Enhanced lazy loading strategies** to optimize bundle size and initial load time.
- **Enhanced internationalization (i18n) support**, making the app multilingual-ready.
- Integrated **RESTful APIs with Angular services** for seamless data exchange.
- Developed **custom Angular directives and pipes** for reusable UI components.
- Developed **responsive UI components** using **Angular 12 and TypeScript**.
- Implemented Angular **Reactive Forms** for dynamic user inputs.
- Integrated **RxJS** for handling **asynchronous operations** and API responses.
- Performed **end-to-end testing** to validate workflows.

## VALUE DELIVERED:

- **Enabled dynamic imports in routing**, reducing unnecessary module loading and improving navigation speed.
  - **Enhanced lazy loading strategy**, leading to a **20% decrease** in initial load time.
  - **Streamlined CSS styling** by integrating **Tailwind CSS**, making UI updates more efficient.
  - Improved **user engagement** with a modern, **responsive UI** using **Angular Material**.
  - Reduced **form submission errors by 30%** through enhanced validation and error handling.
  - Enabled **dynamic and interactive dashboards** for real-time data insights.
  - Enhanced **team collaboration and code quality** with Git version control and structured branching.
  - Improved **long-term maintainability** by documenting core functionalities and best practices.
- 

## Credit Union Digital Banking Platform

Senior Angular Developer | 0.8 Years - Present

## WORK EXPERIENCE:

The **Credit Union Digital Banking Platform** is a financial services solution designed for credit unions in the UK, enabling seamless **account management, loan processing, and digital banking services**. The platform was developed to serve **four credit unions**, ensuring a streamlined and efficient banking experience.

The system consists of three core applications:

- **Onboarding Application** – A form-based system for new customer registration, allowing users to open **savings accounts, term deposits, loan accounts and other financial Services**.
- **Customer Channel (Net Banking)** – A secure online platform where customers can **view transactions, perform fund transfers, apply for loans, and manage multiple financial services**.
- **Admin Application** – A backend tool for administrators to **lock/unlock accounts, block/unblock users, approve transactions, and manage compliance operations**.

## RESPONSIBILITIES:

- Developed **responsive UI components** using **Angular 6 and TypeScript**.
- Created **modular and reusable components** to enhance maintainability and scalability.
- Integrated **RESTful APIs** using Angular **HttpClientModule** for seamless data exchange.
- Designed **role-based authentication and authorization** using **JWT and session management**.
- Utilized **RxJS observables and subjects** for handling asynchronous operations efficiently.
- Improved **performance and responsiveness** by optimizing **Change Detection Strategy (OnPush)**.
- Developed custom **Angular directives and pipes** for **reusable** UI components.
- Implemented Angular **Reactive Forms** for dynamic user inputs.
- Improved **cross-browser compatibility** to ensure smooth performance across different browsers.
- Participated in **Agile development cycles**, including **sprint planning, standups, and code reviews**.

## VALUE DELIVERED:

- **Enhanced User Experience** – Improved UI responsiveness and navigation, leading to a **20% increase in user engagement**.
- **Faster Onboarding Process** – Optimized form validations and dynamic workflows, reducing customer onboarding time by **30%**.
- **Improved Security** – Strengthened authentication and authorization using **JWT**, reducing unauthorized access attempts.
- **Increased Customer Satisfaction** – Improved UI consistency and error handling, leading to better customer feedback.
- **Error Reduction** – Implemented robust validation and error handling, decreasing form submission errors by **25%**.

## SKILLS:

---

### Frontend Technologies:

- Angular (6, 12, 18)
- TypeScript
- RxJS
- NgRx
- Angular Forms (Reactive & Template-Driven)
- Angular Material

### State Management & Performance Optimization:

- Lazy Loading
- Change Detection Strategy (OnPush)
- Dynamic Imports
- Custom Directives & Pipes

### API & Backend Integration:

- RESTful APIs
- HTTPClientModule
- Authentication & Authorization (JWT)

### Build & Version Control:

- Git & GitHub
- Node Version Manager (NVM)
- Webpack

### Agile & Collaboration:

- Agile & Scrum
- Sprint Planning & Code Reviews

## EDUCATION:

---

### Master of Business Administration (MBA)

Jain (Deemed-to-be University), Bangalore - Karnataka | 2024

### Bachelor of Engineering (B.E) in Computer Science Engineering

K Ramakrishnan College of Engineering, Trichy - Tamil Nadu | 2020