

# VIVEKANANDAN KUMARAN

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Junior Angular Developer | 3.5+

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## CAREER SUMMARY:

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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, 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:

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### Credit Union Digital Banking Platform

Senior Angular Developer | 2.8 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:

- **Enhanced lazy loading strategies** to optimize bundle size and initial load time.
- **Enhanced internationalization (i18n) support**, making the app multilingual-ready.
- Developed **responsive UI components** using **Angular 12 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%**.

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**Chemtreat Inc.**  
**Junior Angular Developer | 0.8 Years**

**WORK EXPERIENCE:**

Chentreat 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 6 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.

**SKILLS:**

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**Frontend Technologies:**

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

**State Management & Performance Optimization:**

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

**Build & Version Control:**

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

**Agile & Collaboration:**

- Agile & Scrum
- Sprint Planning & Code Reviews

**EDUCATION:**

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**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