**Praveen Kumar R.**

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Years 14+

- HCL — 3.2
- CATERPILLAR — 6
- NIELSEN — 2
- BROADCOM — 3.9

## Career Objective

Seeking a position in the software development to utilize my technical skills and to work with commitment and passion towards excellence
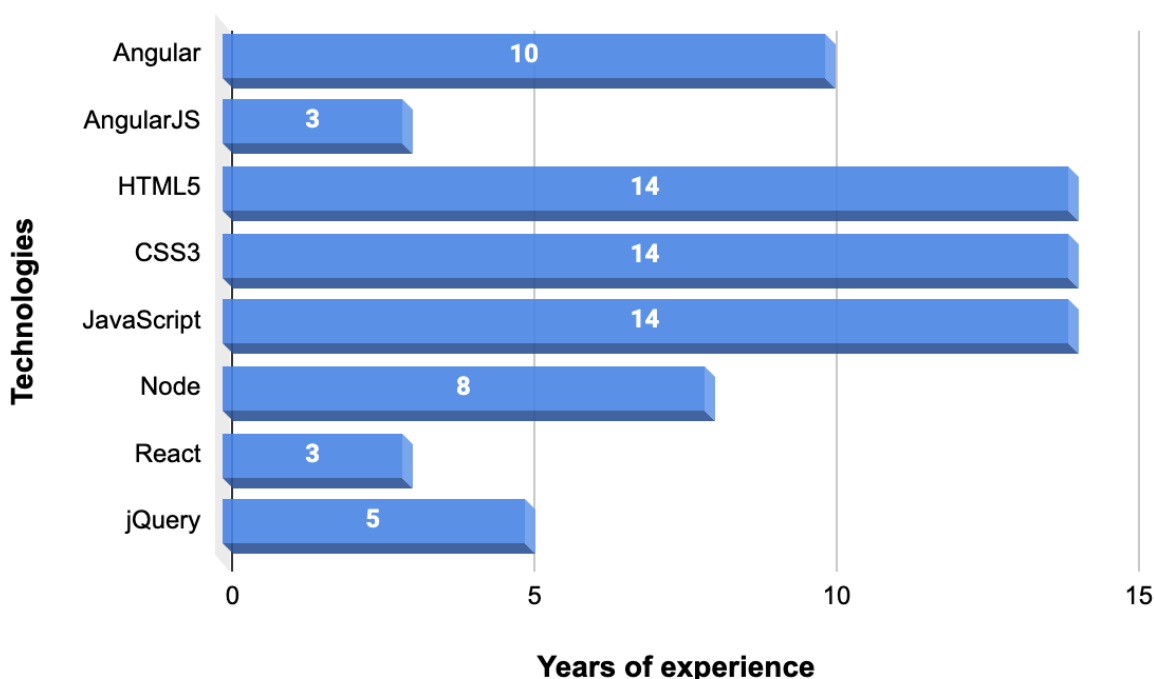
## Professional Profile

**Senior Member of Technical Staff, Broadcom, Chennai, India**
- Having **total experience of 14+ years with onsite experience of 1.5 years in the USA**.
- Worked as a **full stack (node) developer** for multiple web applications.
- Played a key member role in Requirement Clarification, Impact Analysis, Design, Coding, Code Review, Unit Testing, End-to-End testing, and support system testing
- Developed UI architecture for multiple web Applications. Developed web components that can be used across angular applications
- Conducted usability reviews of applications and recommended improvements.

## Skills & Expertise

- Strong development skills in, HTML5, CSS3, Angular JS, Angular, Node, Object Oriented JavaScript, JQuery.
- Expert in debugging and in improvement of website performance.
- Provided End to End environmental setup, technical architecture, and designs as part of application development
- Experience in all facets of Software Development Life Cycle (SDLC)
- Understand change requirements in business and propose flexible solutions

## Technical Proficiencies

Technologies / Years of experience:

| Technology | Years of experience |
|---|---|
| Angular | 10 |
| AngularJS | 3 |
| HTML5 | 14 |
| CSS3 | 14 |
| JavaScript | 14 |
| Node | 8 |
| React | 3 |
| jQuery | 5 |

## Educational Qualification

**Bachelor of Engineering (Electronics & communication)**          **First class with distinction (80%)**

**Jerusalem Engineering College, Anna University, Chennai**
● Consistent performer in academics

## Career Achievements

● Quickly promoted to **Senior Member of Technical Staff** at Broadcom
● Received Best Performer award in HCL and Caterpillar.
● Improved website performance to meet 5seconds SLA for page load.
● Successfully developed and delivered Home Shopping Network (HSN) HTML5 application, available live in Panasonic US 2013 model
● Had opportunity to work in USA involved in requirement gathering and providing technical solutions for various dealer facing problems
● Developed multiple Web components in reusable manner that can be used across any applications
● Individually worked in setting up continuous integration processes including static UI code analyzer, Unit testing for all deployments in multiple platforms like Jenkins and visual studio.
● Successful in developing solutions for live streaming of data into web application using HTML5 Web sockets.

## Project Details

<u>PROJECT#1:</u>                                                                                **BROADCOM**

| | | |
|---|---|---|
| **Title** | : | VMware SD-WAN Orchestrator |
| **Client** | : | N/A |
| **Team size** | : | 15 |
| **Environment** | : | Angular 10, node, Azure, HTML5, CSS3, JavaScript |

**Description:**

   The VMware SD-WAN Orchestrator™ provides centralized enterprise-wide installation, configuration and real-time monitoring in addition to orchestrating the data flow through the cloud network. The VMware SD-WAN Orchestrator™ enables one-click provisioning of virtual services in the branch, the cloud, or the enterprise data center. Also Provides Centralized monitoring, visibility and cloud control enable zero-touch branch deployment while delivering automatic business policy and firmware updates, link performance, and capacity measurements

 **Key Milestones & Responsibilities:**

**1. Major Frontend Migrations**

● **CanJS to Angular Migration:** Angular makes apps faster and lighter with better lazy loading and tree shaking, plus it handles state, routing, and forms out of the box, way easier and more scalable than CanJS
   o Got an opportunity to understand the product and was involved in successfully migrating multiple pages.
● **Angular 10 to Angular 15 Upgrade:** The upgrade was driven by the need to support the latest Clarity components, which required a minimum Angular 15 version
   o Led the migration from Angular 10 to Angular 15 for India team, improving application performance, build speed, and maintainability.

**2. Reporting Micro frontend Development**

- Designed and implemented a Microfrontend-based Reporting System, decoupling it from the VCO (VMware SD-WAN Orchestrator) UI.
- Independently led and took full ownership to migrate reporting functionality to a separate repository, enabling independent releases and faster iterations.

**3. Enhanced Firewall Services (EFS)**

- The solution helps in protecting the SD-WAN edges from external threats and also ensures that traffic within the network is inspected, filtered, and segmented appropriately for security and performance.
- Lead team of 8 and took complete ownership to deliver it on time.

**4. Link Aggregation Group (LAG) Implementation**

- This solution helps to improve network performance, high availability, and fault tolerance by aggregating multiple interfaces to a logical interface
- Lead team of 4 and took complete ownership to deliver it on time.

## PROJECT#2:                                                                         NIELSEN

| | | |
|---|---|---|
| **Title** | : | Shopper Explorer |
| **Client** | : | N/A |
| **Team size** | : | 15 |
| **Environment** | : | Angular 10, Java, Azure, HTML5, CSS3, JavaScript |

**Description:**

Shopper explorer is used to generate reports visualizing the status of product sales based on location, duration…etc. This portal provides various data visualizations having different kinds of charts and tables. Currently this portal is used by multiple clients like Proctor Gamble, Tyson etc. Data visualization can be exported as excel and PPT for sharing the reports visual.

**Responsibilities:**
- Designed and developed this application in Angular 5.
- E2E automation testing using protractor.
- Migrated this application to the latest Angular 10.
- Code reviewing and proving technical solutions for other developer queries.
- Designed and implemented CI/CD process involving DOCKER and Jenkins.
- Increased website performance by reducing the page load time.

## PROJECT#3:                                                                        CATERPILLAR

| | | |
|---|---|---|
| **Title** | : | eRoutes |
| **Client** | : | N/A |
| **Team size** | : | 15 |
| **Environment** | : | Node, Angular 5, Redux, NX, HTML5, CSS3, JavaScript |

**Description:**

   eRoutes is a process monitoring solution that facilitates the smooth, steady delivery of material from the plant to the paver.

eRoutes is a web application that allows paving contractors to track the location and productivity of haul trucks as they travel between plant and jobsite.

Beyond location tracking, the geofencing functionality eliminates the hassle of paper tickets, logging them electronically instead. eRoutes also promises to give contractors a view of how productive truck drivers are being.

**Responsibilities:**

- Designed and developed this application in Angular 5.
- Developed Node API for processing Data, used Passport for user authentication
- Responsible for developing this full stack application running in express node server
- Implemented NGRX Store full database structure to maintain the data in UI
- Used NX framework for development that helps in developing multiple apps in monorepository.
- Fitting application requirements into the UI capabilities of the framework and the acceptance criteria of the application provider

### PROJECT#4:                                                                                      HCL

| | | |
|---|---|---|
| **Title** | : | HSN-HTML5-App |
| **Client** | : | HSN (Home shopping network) |
| **Team size** | : | 3 |
| **Environment** | : | HTML5, jQuery, JavaScript |

**Description:**

   Home Shopping Network (HSN) is a SMART TV Application built for various Environments. This Application provides shopping experience to the end Users through SMART TV. HSN provides various ways for the consumers to shop at ease.

   One of the key ways is the "HTML5 App" where consumers can place orders from different TVs, which support HTML 5.0.

**Responsibilities:**

- Development of over-the-top shopping applications for Verizon, Samsung, Panasonic TVs.
- Integration of code, testing and system testing of the shopping application.
- Interaction with customers on a daily basis for updating status and requirement clarification.

## Personal Details

- Date of Birth: 13-08-1989
- Languages known: English, Tamil, Telugu
- Gender: Male

Place: Chennai                                                                                      Authentically

Date:                                                                                      (R. Praveen Kumar)