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Role: Sr. Frontend Software Engineer

SUMMARY

- Over **5+ years** of professional experience as a **Senior Software Engineer** specializing in **Frontend** with a strong background with strong backend knowledge in **Java** and **Spring Boot** and **API integrations**, developing high-performance Single Page Applications (**SPAs**) and reusable components.
- I am proficient in state management using **Redux** and **Redux-Saga**, and skilled in leveraging **React Query** and **WebSocket's** for real-time analytics.
- knowledge of **JavaScript (ES6+)** and **TypeScript**, combined with strong object-oriented programming principles, enabling the design of robust applications using React.js and Angular.js architectures.
- In-depth understanding of **CSS3** and design libraries like **Tailwind CSS**, **Material-UI**, **Bootstrap**, and **Ant Design**, enabling the creation of elegant, responsive UI components across major frameworks.
- Skilled in using **Figma**, **Adobe XD**, and **Photoshop** for wireframing, prototyping, and building UI assets, facilitating seamless collaboration between design and development teams.
- Proficient in creating responsive, mobile-first UIs by leveraging **Bootstrap's layout grid system**, reusable components, and utility classes to accelerate front-end development cycles.
- Strong expertise in **Java**, **Python**, **SQL**, **Selenium**, **Playwright**, and **Karate**, with a passion for delivering reliable test architecture within Agile DevOps environments.
- Experienced in writing and **optimizing SQL queries** for performance and reliability. I am skilled in **Bitbucket**, **JIRA**, and **GitHub** for version control and task management and WordPress websites, themes, and **plugins using PHP**, **ACF (Advanced Custom Fields)**, and **WP Engine (WPE)**.
- Expert in building reusable **UI components**, integrating secure **CI/CD pipelines**, and optimizing **UX** across browsers and devices.
- Strong command of **unit testing** and **end-to-end testing** using tools like Jest, Karma/Jasmine, and Cypress, ensuring application reliability through test-driven development practices.
- Strong backend expertise with **Java API development**, microservices architecture, and GraphQL, RESTful services.
- Practical experience working with **relational and NoSQL databases**, including **MySQL**, **PostgreSQL**, and **MongoDB**, for storing, retrieving, and managing structured and unstructured data in web applications.
- Experienced in deploying and managing applications on **AWS**, with hands-on knowledge of services like **S3**, **EC2**, **CloudFront**, and **Lambda**, ensuring scalability, availability, and performance in cloud-hosted environments.
- Adept at employing **DevOps practices**, continuous delivery, and automated testing using **Docker**, **Jenkins**, **Groovy**, and **Concourse**.
- Successfully engineered scalable solutions for **financial** and **healthcare sectors**, aiming to leverage expertise in React development to enhance user experience and application performance.

EDUCATION

Rivier University, US

Master of Science, Computer Science

Jawaharlal Nehru Technological University, Hyderabad, India

Bachelor's degree in Electronics and Communication Engineering

SKILL SET

- **Web Technologies:** HTML, HTML5, CSS3, SASS, XHTML, XML, AJAX, jQuery, WordPress, Typescript, JSON, Twitter Bootstrap, React JS, Redux JS, Flex, Express JS, GitHub, Vue.js, RESTful APIs
- **IDE's:** Eclipse, Visual Studio Code, Notepad++, WebStorm, Sublime

- **Debugging tools:** Firebug, Chrome Developer Tools
- **Programming Languages:** Java, Spring Boot, J2EE, Python, Shell Script, .Net, JavaScript, Node.js, C#, Asp.Net
- **Operating systems:** Linux - Ubuntu, Mac OS, Windows
- **Servers:** Apache Tomcat, JBOSS, WebSphere, WebLogic
- **Version Control:** GIT, SVN
- **Build Tools:** Jenkins, CI/CD Pipelines
- **Performance Optimization:** PHP, Apache, load testing tools, WordPress
- **Database:** SQL Server, MySQL, MONGODB, PostgreSQL, Database Programming, Entity Framework
- **Front End Tools:** CorelDraw, Dreamweaver, Adobe Photoshop CS5, Illustrator
- **Testing Tools:** Selenium, Jest, HP Quality Center, Swift JIRA, Karma, Mocha
- **Cloud:** AWS, Splunk, Cloud Services, Azure, GCP
- **UI Design Tools:** Figma, Adobe Photoshop

PROFESSIONAL EXPERIENCE

Client: Humana, Boston, MA

Role: Senior Frontend Software Engineer

April 2023 – Present

Responsibilities:

- Developed maintainable and scalable components of **web applications** using HTML5, CSS3, JavaScript, ReactJS, Redux, PHP (Laravel) and AJAX, Next.js enabling real-time product insights and performance analysis.
- Designed and developed responsive, scalable, and reusable **UI components** using **React.js** (Hooks, Context API) and **Angular** 18 (RxJS, NgRx, Standalone Components) for Humana's Members and Provider Portals/Webs, enhancing user experience.
- Worked on **SDLC** phases including planning, development, testing, documentation, and production support of core internal applications.
- Designed and implemented scalable REST APIs using **Flask** and SQLAlchemy for real-time healthcare services.
- Built and maintained backend services with **Java (Spring Boot)** and integrated Hibernate ORM for database interactions.
- Designed and implemented **Micro-Frontend architecture** using **Webpack Module Federation** to enhance modularization and scalability of large applications.
- Developed and integrated **RESTful APIs** and **GraphQL endpoints** to enhance data retrieval efficiency and real-time updates in web applications.
- Integrated **AI-powered chat applications** using **OpenAI's GPT**, Google and **WebSocket's** with **React WebRTC** to enable real-time patient chat and doctor consultations, enhancing communication efficiency.
- Built a **Node.js backend** to optimize **microservices**, API response times and manage **REST API integrations** with **front-end applications**, ensuring seamless **data exchange**.
- Built and maintained responsive **WordPress websites optimized** for mobile and desktop platforms, ensuring **ADA** compliance and accessibility remediation.
- Developed **RESTful** and **SOAP-based web services** using **Java/J2EE** with **Spring Boot**, improving system efficiency.
- Collaborated with business analysts and **UI/UX designers** to deliver visually consistent, accessible, and responsive user interfaces using **React 18** and **Next.js**.
- Configured tsconfig.json in **TypeScript** projects to optimize compiler options, enabling strict type checking, module resolution, and enhanced debugging.
- Built scalable applications with **PostgreSQL** and **Oracle SQL**, to develop stored procedures for real-time data analytics.
- Developed and executed **automated UI tests** using **Jest** and **Mocha**, ensuring robust and **error-free** applications.
- Mentored junior developers in **Flutter**, **JavaScript**, and UI development, enhancing team capability.
- Enhanced role-based access control (**RBAC**) to ensure **PII** and **HIPAA-compliant data security** for different user roles (**members, doctors, administrators**).

- Configured **Azure Blob Storage** for secure and cost-effective storage of unstructured data, enabling seamless integration with cloud-based applications.
- Contributed to **CI/CD automation pipelines** using **Docker, Jenkins, Azure DevOps and GitHub Actions**, streamlining deployments and reducing manual errors.
- Led cloud engineering initiatives using **Azure DevOps** and **GCP** for application deployment, containerization, and scaling.
- Utilized **GIT** and **SourceTree** for **version control**, ensuring **code integrity** and seamless team collaboration, which improved **project delivery timelines**.

Environment: React.JS, Redux, Angular15,18, Vue.js, ES6, Typescript, JavaScript, HTML5, CSS3, Ajax, Bootstrap.JS, Angular, python, MySQL, REST, Node.JS, GitHub, Scrum, PHP, WordPress, Agile, AWS, Jenkins, JSON, XML, Jira.

Client: Capital Group, San Antonio, TX

Role: Frontend Software Engineer

Mar 2021 – April 2022

Responsibilities:

- Developed **GraphQL** resolvers to fetch data from databases REST APIs and microservices ensuring a unified data layer with minimal redundancy and better consistency.
- Defined new validations through **Angular 15** for form fields using **HTML5**, improving data accuracy and **user input validation**.
- Utilized **Angular15** in-built directives such as **filters, root scope, and modal** to streamline development and enhance application functionality.
- Developed financial dashboards using **React.js, React Query, and Spring Boot APIs** with responsive designs.
- Developed and optimized **React-based trading and financial applications** using **React Query (TanStack Query)** for efficient data fetching.
- Designed and developed **Python** REST APIs using Flask and Django ensuring secure, scalable, and high-performance backend solutions for web and mobile applications.
- Led front-end development for **financial dashboards, trading apps, and QuickBooks UI internationalization** using React, Angular, and Vue.js.
- Maintained and enhanced legacy **Java-based backend systems**, implementing Hibernate for data persistence.
- Built **SQL queries, triggers, and reports** for financial transaction systems using **MySQL and Big Query**.
- Developed and maintained responsive **WordPress websites** with **custom themes, plugins, and ACF** for page options and customization.
- Used **React Query** and **Redux Toolkit** to optimize **API calls** and cache **financial data**, which reduced **load times** and **improved application** responsiveness
- Followed **Test-Driven Development (TDD) practices**, reducing bugs in production. Optimized API response times, reducing latency and improving system efficiency.
- Built and **optimized data pipelines** using **GCP BigQuery, Oracle and Cloud SQL** to enhance financial data processing and reduce query latency.
- Developed applications on **MVC framework**, ensuring a clean division between controllers and enhancing flexibility with interfaces, which streamlined the **web layer** over the **business layer**.
- Deployed containerized applications on **AWS** using **ECS and EKS** managing microservices with seamless integration of Docker and Kubernetes for scalability.
- Configured and optimized **MySQL** and **Apache** performance to handle high-volume web traffic efficiently.
- Collaborated with teams using **React.JS** and **Node.js** libraries, including **NPM** and **gulp**, to generate desired views and properly **route URLs**, enhancing application functionality.
- Secured **Azure** applications using **Azure Active Directory (AAD)** implementing authentication, role-based access control (**RBAC**), and multi-factor authentication (**MFA**).
- Integrated **AEM** with third-party APIs, **RESTful services**, and **GraphQL** for seamless content delivery across multiple platforms.

- Designed **UI screens** using **Adobe Photoshop**, enhancing **user interface aesthetics**. Developed **PL/SQL** scripts for data **migration** and **transformation**, improving **data manipulation efficiency**.
- Collaborated with **backend developers**, **database administrators**, and **QA teams** in an **Agile/Scrum** environment to deliver sprint goals efficiently.

Environment: HTML5, CSS3, JavaScript, React.js, Vue.js, Python, JSON, Node.js, Angular15, Webpack, SASS, Bootstrap, Jest, Enzyme, Mocha, Spring Boot, Jasmine, Chrome Developer Tools, Restful Web services, Agile, JIRA

Client: Cyient-India

Role: Front Web Developer

Aug 2019 – Feb 2021

Responsibilities:

- Created **front-end pages** using **HTML**, **CSS**, and **JavaScript**, enhancing **web design** and **development efficiency**.
- Migrated a traditional REST API to **GraphQL** reducing network requests, eliminating over-fetching issues and improving API efficiency for better data retrieval.
- Implemented **React 16's Streaming SSR**, allowing the application to send UI chunks progressively to the client, significantly improving perceived load times and enhancing SEO for dynamic content.
- Implemented the **U-Verse Package Selection Module** using **AngularJS** for **RESTful API calls** and **data binding**, enhancing module functionality with various **Angular UI widgets** and **components**
- Managed deployment and operation of the product on **AWS** and other **data centers**, ensuring seamless **integration** and **performance**.
- Implemented **Electronic Health Records**, including **Cerner EHR**, improving **healthcare invoicing** and **medical records processing** and **auditing**.
- Built **RESTful APIs** in **Rails** and consumed them via **AJAX** and **JSON** in **dynamic web interfaces**.
- Hands-on experience working with server-side **JavaScript frameworks** like Express, Koa, Hapi (**based on Node.js**) for server-side rendering and building **APIs**.
- Designed and developed **JSON** and **XML objects** using **MySQL** and **Ajax** to enhance website functionality, ensuring seamless server requests.
- Scheduled automated tasks in **Node.js** using cron jobs and the **node-cron** package, managing background jobs like email notifications and data backups.
- Deployed **REST APIs** on cloud platforms like **AWS (Lambda, EC2, API Gateway)**, **Heroku**, and **Digital Ocean**, ensuring high availability, scalability, and monitoring with **Postman** and **New Relic**.
- Optimized **CI/CD pipelines** with caching strategies, parallel builds, and artifact management using **Nexus**, **Artifactory**, and **AWS CodeArtifact**.
- Designed email blasts using **Adobe software** and implemented them with **HTML** and **JavaScript**, increasing **user engagement**.
- Used **JavaScript** testing **frameworks** **Jasmine** and **Karma** to test the application, ensuring **high code quality** and **reliability**.
- Exposure to various Application Servers like **IBM WebSphere**, **BEA Web Logic**, **Apache Tomcat** and **JBoss**.

Environment: HTML, jQuery, JavaScript, Ajax, JSP, Node.js, HTML, Rest API, Angular JS, bootstrap, Shell Scripts, Kibana, agile, Oracle, MongoDB, SQL, PLSQL, DB2, Jira, GIT, Gulp, Tomcat, and WebSphere.