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## **PROFESSIONAL SUMMARY**

- With **6+ years of professional experience** as a **Senior Full-Stack Developer**, I specialize in developing scalable and high-performance enterprise applications using modern **JavaScript frameworks and cloud technologies**.
- Experienced across all phases of the **Software Development Life Cycle (SDLC)**, including requirements gathering, **design, development, testing, deployment, and maintenance**.
- I have designed and built robust, **reusable**, and dynamic Single Page Applications (SPAs) using **React.js, React Hooks, Context API, JavaScript & TypeScript**. My front-end expertise focuses on performance optimization, responsive design, and accessible UI/UX principles.
- Proficient in **JavaScript, TypeScript, HTML5 and CSS3**, with strong expertise in developing interactive user interfaces, implementing **responsive layouts**, and optimizing front-end performance **across modern browsers**.
- Strong **expertise in React.js** component-based architecture, **utilizing virtual DOM for optimized rendering** and managing state **using Redux and Context API**.
- Proficient in using **React Hooks** such as **State, Effect, Context**, and custom hooks to manage state, side effects, and shared logic across components.
- Proficient in **TypeScript** for building **type-safe backend services** with **Node.js and Express**.
- Extensive experience in building decoupled and scalable **Microservices and developing robust APIs** using **Node.js and Express** including the implementation of **secure API layers**, custom middleware, and **optimized data access techniques** for both **REST and GraphQL**.
- Experienced in **asynchronous programming patterns (Promises, async/await, event loop)** for scalable backend development.
- Proficient in using **PostgreSQL** with **Prisma ORM** for **schema migrations**, complex SQL queries, and data persistence strategies.
- **AWS Certified Solutions Architect and AI Cloud Practitioner**, skilled in utilizing cloud platforms to build secure and reliable backend systems.
- Experienced in working with **XML and JSON for data interchange and integration**, leveraging these formats to enhance application interoperability and data processing efficiency.
- Hands-on experience with build and deployment automation using Continuous Integration/Continuous Delivery (**CI/CD**) tools like **Jenkins, GitHub**, and **AWS Code Pipeline**, ensuring seamless and automated **build, test, and deployment processes**.
- Skilled in **containerization** using **Docker** and orchestration with **Kubernetes** for managing scalable and efficient deployments, practices to ensure secure coding and infrastructure.
- Experienced in **configuring CI/CD pipelines using GitHub Actions** for automated testing, **container builds**, and **seamless AWS deployments**.
- Experienced in implementing **secure authentication mechanisms** for API's using **OAuth and JWT** and Integrating with **AWS Secrets Manager** to enhance application security and user experience.
- **In-depth knowledge of Amazon Web Services (AWS)**, including **IAM, ECS, EC2, S3, SNS, VPC, Route 53, Elastic Load Balancing**, and **CloudWatch** for building and managing scalable, secure, and highly available cloud infrastructure.
- I am proficient in using the **AWS SDK and AWS CLI for programmatic interaction** with services like **S3, EC2, Secrets Manager**, and **CloudWatch**.
- Experienced in **testing React applications using Jest**, React Testing Library, and Cypress, with a strong focus on ensuring component reliability and user interaction accuracy.
- I am **skilled in writing unit and integration tests** for functional components and hooks, **mocking API calls**, and simulating real-world scenarios to validate UI behavior.
- **Committed to maintaining high test coverage and following best practices** in test organization and readability to support scalable and maintainable codebases.
- Experienced in working with **RESTful APIs that utilize JSON for data transfer**, enabling efficient communication between **frontend and backend services**.
- Proven track record leading **Agile development teams**, collaborating with product owners, participating in sprint ceremonies, and **ensuring timely delivery** of technical deliverables aligned with business goals.

## **TECHNICAL SKILLS**

<b>Programming Languages</b>	<b>Java, C, C++, JavaScript, Typescript, python</b>
<b>Web Technologies</b>	<b>HTML5, CSS3, AJAX, JSON, Bootstrap, jQuery, React.JS with Flux, Redux, NodeJS, Express JS, Angular2. 0/4.0, Angular 9.0/16, SASS/LESS</b>
<b>Databases</b>	<b>Oracle 8i/9i/10g/11i, DB2, PostgreSQL, SQL Server 2000/2005/2008, MYSQL, Cassandra, Knex.js, Prisma ORM</b>
<b>Frameworks</b>	<b>Front-End: React.js, JavaScript, Angular.js Back-End: Node.js, Express.js, Spring, Spring Boot, Spring MVC</b>
<b>Application/Web Servers</b>	<b>Nginx, Apache Tomcat,</b>
<b>Software Methodologies</b>	<b>Agile, Scrum, TDD, Waterfall</b>
<b>Build &amp; Configuration Tools</b>	<b>Webpack, Vite, NPM, Maven, Gradle, Docker, Jenkins, GitHub Actions, Gulp, Grunt</b>
<b>Testing Tools</b>	<b>Jest, RTL, Mocha, Chai, Cypress, Junit, Mockito</b>
<b>Container Orchestration</b>	<b>Docker, Kubernetes</b>
<b>Version Control Tools</b>	<b>GIT, SVN, Bitbucket, TFS</b>
<b>Project Management Tools</b>	<b>JIRA, Rally, Microsoft Project.</b>
<b>Cloud Technologies &amp; DevOps Tools</b>	<b>AWS, PCF, EC2, EBS, S3, Docker, ECS, EKS, SQS, RDS, S3, Glacier, Lambda, Kubernetes</b>
<b>Operating System</b>	<b>Windows, Linux, Unix</b>
<b>Code Quality</b>	<b>SonarQube, Sonar Lint</b>
<b>IDE's</b>	<b>Eclipse, Visual Studio, IntelliJ, Spring Tool Suite</b>

### **Education:**

Southern Arkansas University, Magnolia  
**Master of Science** in Computer Science

St. Joseph's College of Engineering, Chennai, India  
**Bachelor of Engineering** in Computer Science and Engineering

### **Certifications:**

- **AWS** Certified Solutions Architect – Associate
- **AWS** Certified AI Practitioner
- **INTERNSHALA** web development with React
- **STIGMATA** Full Stack Development

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## Professional Experience

**Client:** Morgan Stanley, Atlanta, Georgia

**December 2022 – Present**

**Role:** Senior Full-Stack developer

### **Responsibilities:**

#### Front-End (React.js)

- Designed and maintained scalable **React-based Single Page Applications (SPAs)**, leveraging React Hooks, Redux, and component-based architecture for enhanced modularity and maintainability.
- Leveraged **CSS preprocessors** like SASS/SCSS and **Tailwind CSS** to organize and **modularize style sheets**, improving code maintainability **across the UI**.
- Optimized front-end **performance** by using **useCallback hook**, **implementing virtual DOM techniques** and lazy loading strategies.
- Experience in React.js for creating **interactive UIs using One-way data flow**, Virtual DOM, JSX, and React Native concepts.
- Applied **React Testing Library and JEST** for thorough **unit and integration testing of components** to maintain high UI quality and reliability.

#### Back-End (Node.js & Express)

- Developed secure and scalable backend services **using Node.js, Express and TypeScript**, focusing on microservices architecture and **RESTful API design**.
- Implemented **JWT-based authentication** and integrated **AWS Secrets Manager** to ensure secure, stateless user sessions and protected environment configurations.
- Leveraged **Prisma ORM to define schema models**, manage type-safe **asynchronous queries**, and **handle migrations and transactions efficiently**.
- Built custom **Express middleware for logging, error handling**, API versioning, and rate limiting, enhancing system observability and reliability.
- **Collaborated with frontend teams**, participated in code reviews, and mentored junior developers while advocating **TypeScript best practices and clean architecture standards**.

#### Database & AWS

- Managed data persistence and retrieval **using PostgreSQL**, optimizing database performance through **indexing, normalized schema design, and query tuning**.
- Deployed and maintained microservices in containerized environments **using Docker and AWS ECS**.
- Leveraged **AWS services** including **EC2, S3, Secrets Manager, IAM, and CloudWatch** for scalable cloud infrastructure and secure environment configurations.
- Automated build and deployment pipelines **using Jenkins and AWS Code Pipeline**, enabling CI/CD workflows across development and production stages.
- Configured centralized logging and monitoring using **CloudWatch and the ELK Stack** for effective debugging and performance tracking.

**Technologies:** ReactJS, Node.js, Express.js, Prisma ORM, PostgreSQL, AWS (ECS, EC2, S3, CloudWatch, IAM, Secrets Manager), Docker, Jenkins, Code Pipeline, ELK Stack, Express.js, Bootstrap, HTML, CSS, Git, Jira, REST API's, ELK Stack

**Role: Full-Stack developer**

**Responsibilities:**

**Front-End (React.js & JavaScript)**

- Designed and implemented dynamic and responsive **Single Page Applications (SPAs)** using **React.js**, leveraging functional components **and React Hooks** for efficient state and lifecycle management.
- **Built reusable UI components** following atomic design principles, ensuring a consistent user interface across application modules.
- Applied **SCSS and CSS-in-JS** strategies for modular and maintainable styling across **large-scale UIs**.
- Ensured **performance optimization** through lazy loading, code splitting, and bundle size reduction, improving load times and responsiveness.
- Employed React Testing Library and Jest to perform **unit and integration testing**, maintaining UI reliability and improving test coverage.
- Collaborated closely with UI/UX teams to enforce design consistency, WCAG accessibility standards, and cross-browser compatibility.

**Back-End (Java, Spring Boot, GraphQL)**

- Developed robust and scalable backend services using **Java and Spring Boot**, implementing modular microservices for high availability and reusability.
- Integrated **GraphQL APIs** using Spring Boot and **GraphQL Java**, enabling efficient, client-driven data querying and reducing over-fetching issues common with REST.
- Applied core Spring features such as **Dependency Injection (DI)**, Aspect-Oriented Programming (**AOP**), and Spring Security for clean, secure, and testable services.
- Developed and managed **GraphQL resolvers, mutations, and custom scalars**, enabling fine-grained control over API interactions and business logic layers.
- Used **Spring Data JPA and Hibernate** for ORM-based access to **Oracle databases**, optimizing query performance through indexing and tuning.
- Implemented custom middleware for **input validation, exception handling**, and API versioning, ensuring robust and maintainable service contracts.

**DevOps, Testing, and SDLC**

- Wrote comprehensive unit tests using **JUnit and Mockito**, increasing backend test coverage and reducing regression risk.
- **Utilized Docker to containerize** backend microservices and frontend builds, streamlining deployment across dev and staging environments.
- Contributed to **cloud-native architecture** planning by developing microservices deployable to containerized workflows **and CI/CD pipelines integrated with Jenkins and GitHub**
- Collaborated in an **Agile (Scrum/Kanban)** environment, participating in daily standups, **sprint planning**, reviews, and retrospectives.
- Maintained version control and code quality using **GitHub**, **implementing effective branching** strategies and code reviews in a collaborative team environment.

**Technologies:** React.js, Java, Spring Boot, GraphQL Java, Spring Data JPA, Hibernate, Oracle DB, SCSS, Jest, React Testing Library, JUnit, Mockito, Docker, GitHub, Jenkins, Agile (Scrum/Kanban), JSON, REST, GraphQL