# VENKATA NARAYANA PALADUGU

# Full Stack Developer

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# SUMMARY

* Around **3 years** of experience as a **Full Stack Developer** proficient in **Java, Python, C#, and SQL**, with expertise in web technologies such as **HTML, CSS, and JavaScript, AJAX, JSON, JQuery**. Skilled in utilizing **frameworks** like **React JS, Angular JS, and Spring Boot**, along with a solid understanding of **databases including SQL Server, Oracle, and MongoDB.** Well-versed in **SDLC, Agile, and Waterfall** **methodologies**, and experienced in **testing** with **JUnit, Jest, and Postman**. Familiar with **cloud technologies**, particularly **Amazon Web Services**, and proficient in **version control** with **Git** and **collaborative** tools like **GitHub and Jira**. Adept in **CI/CD processes** using **Jenkins and containerization with Docker**, with a strong foundation in utilizing development tools like **IntelliJ and Visual Studio**.

# EDUCATION

**Master’s in Computer Science**, Villanova University **Dec 2023**

**B.Tech Computer Science, and Engineering,** Andhra University **May 2020**

# TECHNICAL SKILLS

| Languages: | Java, Python, C#, SQL |
| --- | --- |
| Web Technologies: | HTML, CSS, JavaScript, Bootstrap, AJAX, JSON, JQuery, Restful APIS, Rest API |
| Frameworks & Libraries: | React JS, Angular JS, Redux, Node JS, Spring Boot, Drop Wizard |
| Databases: | SQL Server, Oracle, MySQL, Mongo DB |
| Methodologies: | SDLC, Agile, Waterfall, CI/CD |
| Testing: | JUnit, Jest, Mockito, Postman |
| Cloud Technologies: | Amazon Web Services |
| Other Tools: | Git, GitHub, Jira, IntelliJ, Visual Studio, Jenkins, Docker |

# PROFESSIONAL EXPERIENCE

**Full Stack Developer Intern | BCBS | PA Aug 2023 - Current**

* Implemented responsive design with HTML5 and CSS3, enhancing user experiences across devices and boosting user satisfaction.
* Optimized JavaScript frameworks like React JS, reducing page load times and enhancing performance.
* Leveraged Node.js for real-time data processing, providing dynamic content and increasing user engagement.
* Ensured robust authentication and authorization in Node.js applications, reducing potential security breaches.
* Conducted comprehensive REST API testing using Postman in Spring Controller, focusing on JSON data, leading to a reduction in backend issues by 10 and improved API reliability by 8 users.
* Engineered server-side applications using Spring Boot for efficient database connectivity and established robust data backup and recovery plans for SQL Server databases, reducing potential downtime.
* Executed Cross-Browser Compatibility, Unit, and Regression testing using JUnit to ensure the delivery of a robust and error-free software solution.
* Orchestrated serverless architecture implementation using AWS Lambda for microservices efficiency, reducing infrastructure expenses by $5000.

**Front-end Developer | Stage | India Jun 2019 – Jul 2021**

* Enhanced website performance by reducing page load times significantly and increasing user engagement through optimizations in HTML, CSS, and JavaScript.
* Implemented Redux for centralized and advanced state management in React, leading to fewer potential bugs and a substantial decrease in application state-related issues, improving application stability.
* Collaborated with back-end developers to integrate RESTful APIs seamlessly using AJAX and JSON, alongside developing server-side solutions with Node.js, enhancing system scalability.
* Used jQuery AJAX for asynchronous data fetching to cut down page load times and designed microservices with Drop Wizard, making the development of new features more efficient.
* Deployed CI/CD pipelines for React projects to streamline deployment processes and improve quality, while actively participating in Agile development for ongoing front-end feature enhancements.
* Optimized MongoDB database structure and queries, improving data retrieval efficiency, and utilized JIRA and Git with Jenkins for effective bug tracking and development workflow management.
* Led a comprehensive range of front-end development activities, focusing on performance optimization, state management, API integration, and agile methodologies, significantly boosting application performance, scalability, and user experience.

# ACADEMIC PROJECTS

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## IPL Dashboard (Java, Spring Boot, Maven, React, RESTful web services)

* Developed an IPL Dashboard Application that displays list of various teams, team members and their scheduled matches.
* Responsible to write Rest API’s using Spring Boot, Java and maintained persistence of application using JPA’s.
* Developed User Interface using React and centralized state and logic of application using Redux to make application efficient.

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## Book Search Engine (React JS, Node JS, MongoDB, REST API)

* Built a search engine that calls to Google Books using React JS as front end.
* Designed in a way such that back end receives those queries and either returns a stored result for previously submitted queries or makes a call to the Google Books API.