

Jayakishan Presingu

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[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

SUMMARY:

- Extensive SDLC expertise and maintenance across multiple programming languages, including C#, & .NET.
- Proficient in OOP, Multi-threading, Exception Handling, Data Structures, Algorithms, Collections, Garbage Collection, Method References, and Functional Interfaces.
- Successfully integrated applications with MySQL databases, ensuring efficient data storage and retrieval.
- SQL proficiency with optimized database design for enhanced application performance.
- Strong experience in developing Client-Server applications using various technologies, including Java, J2EE (Servlets, JSP, Struts, Hibernate, Spring, JDBC), HTML, CSS, JavaScript, C#, and PHP.
- Experienced in C# development, leveraging the .NET Framework and Entity Framework for robust application development. Proficient in NUnit for reliable code testing and quality assurance.
- Proficient in PHP development, utilizing Composer for efficient dependency management, PHPUnit for robust unit testing, and Laravel framework for scalable web applications.
- Well-versed in Java 8 features such as Streams API, Default/Static methods in Interfaces.
- Expertise in testing types (Smoke, Functional, Regression, Integration, Black Box, Unit) and JIRA integration.
- SOAP and Restful Web Service experience.

EDUCATION:

Master of Science in Computer Science

January 2021 - May 2022

University of North Texas – Denton, TX, USA.

Bachelor of Technology in Computer Science & Engineering

June 2014 - May 2018

Jawaharlal Nehru Technological University, Kakinada – AP, India.

PROFESSIONAL EXPERIENCE:

SOFTWARE ENGINEER

August 2022 - Present

Shrive Solutions LLC. – Charlotte, NC.

- Experienced Full Stack Developer proficient in C#, with a focus on developing a clinical trial management system to track trials, patient data, and results across multiple programming languages.
- Implemented responsive design using JavaScript, HTML5, CSS3, and Bootstrap for enhanced user experience.
- Accelerated development using Angular CLI and C# frameworks like ASP.NET, ASP.NET Core. Implemented RESTful API endpoints in C# and seamlessly consumed them in Angular applications for data exchange between frontend and backend.
- Interacted with RESTful APIs using Angular HTTP Client to fetch and manipulate data from the server and Utilized interceptors to modify HTTP requests and responses globally across the application.
- Proficient in C#, the primary programming language for .NET development, for building robust and efficient applications with a focus on high-performance code.
- Utilized Angular forms and C# validation to ensure data integrity and accuracy in user inputs and Implemented Angular routing and C# server-side routing to enable smooth navigation and manage application states.
- Developed intuitive, interactive UIs, scalable solutions using C#, .NET framework for high-performance code.
- Developed scalable solutions with the .NET Framework and C# for high-performance code.
- Proficient in ASP.NET for building web applications, utilizing the MVC pattern for separation of concerns.
- Experienced with ASP.NET Core for modern cross-platform web application development.
- Proficient in working with .NET Core's built-in dependency injection container for managing object dependencies and promoting modular and testable code.
- Utilized Entity Framework for efficient data access and management in .NET applications.
- Employed RxJS Observables to handle asynchronous operations, event handling, data streams in Angular apps.
- Created reactive forms and template-driven forms in Angular to manage user input and form validation. Implemented custom form validators to enforce specific data formats and business rules.

- Employed performance analysis tools like Lighthouse, Chrome DevTools to identify and fix performance bottlenecks in Angular applications.
- Developed efficient and secure RESTful APIs using Node.js and Express.js, enabling seamless communication and data exchange between frontend and backend components of the application.
- Integrated and maintained databases like MongoDB, MySQL with Node.js backend, ensuring data persistence and seamless data retrieval for the frontend.
- Leveraged MongoDB for efficient data storage, designing schemas and using advanced querying techniques. Seamlessly integrated with Node.js for fast, scalable, and reliable data operations.
- Designed and optimized MongoDB database schemas to efficiently store and retrieve data based on application requirements. Implemented appropriate indexes in MongoDB to speed up query execution.
- Utilized MongoDB's Explain() method and query profiler to identify and optimize slow-running queries, ensuring optimal response times for critical operations.
- Utilized Kubernetes to efficiently orchestrate containerized applications, managing deployment, scaling, load balancing, defining deployment configurations, and resources through version controlled YAML manifests.
- Utilized Docker to containerize applications, creating portable and optimized Docker images that simplified development, deployment workflows, and minimized resource consumption.
- Familiarity with Amazon Web Services (AWS), a widely used cloud computing platform, known for its services such as EC2 (Elastic Compute Cloud), S3 (Simple Storage Service), and RDS (Relational Database Service).
- Proficient in CI/CD with Jenkins or GitLab CI/CD, ensuring automated builds, tests, and deployments. Utilized Git for version control and collaborative code management.
- Skilled in TDD practices, writing unit tests for code quality. Efficiently managed tasks and issues using Jira or TFS for seamless team collaboration.

SOFTWARE DEVELOPER

July 2018 – December 2020

VRK Technologies PVT. LTD. – Hyderabad, India.

- Gathered and analyzed system requirements for projects.
- Developed front-end using HTML, CSS, JSP, Servlets, JSTL, Ajax, and Struts.
- Implemented Training and Appraisal modules with Java, JSP, JavaScript, and Java Swing.
- Designed database schema, wrote complex SQL queries, mapped functional requirements to workflow processes, and utilized JDBC Callable statements for seamless integration.
- Designed and modified database structures, including tables, views, triggers, stored procedures, and functions to support new features.

SUMMER INTERN

May 2017 – June 2017

Rashtriya Ispat Nigam Limited (RINL) – Visakhapatnam, India.

- Completed internship at RINL Visakhapatnam in ERP-IT a corporate entity of Visakhapatnam Steel Plant.
- Collaborated with cross-functional teams to analyze, design, and implement solutions for seamless integration of IT systems and business processes. Contributed to enterprise resource planning software and IT infrastructure initiatives.

TECHNICAL SKILLS:

Programming / Web Development: Java, C#, HTML5, CSS3, JavaScript, jQuery, Bootstrap, Angular.

Frameworks: ASP.NET, ASP.NET Core, Spring Boot, Entity Framework, Node.js, Express.

Databases: Microsoft SQL Server, MySQL, MongoDB

Version Control: Git, TFS

DevOps: CI/CD (Jenkins, GitLab CI/CD), Docker, Kubernetes

Testing: Test-Driven Development (TDD), NUnit, JUnit, Mockito, Selenium

Tools: Visual Studio, Eclipse, IntelliJ IDEA, Jira, Splunk, XML, JSON, Ansible

Cloud Technologies: AWS, Azure

RESTful APIs: ASP.NET Web API, Spring Web Services

Methodologies: Agile, Scrum and Waterfall