

SRITI PRAJAPATI

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FULL STACK DEVELOPER

Highly awarded software developer with almost 4 years of experience using modern technologies to design and implement all aspects of software applications, from conception and requirement gathering to coding, integration, testing, deployment, and maintenance. Strong communicator and problem solver, able to ensure the delivery of high-quality, scalable products and systems in high-performance, secure environments which meet all business needs using C#, Java, JavaScript, Angular, .NET, Spring Boot, AWS, and MS SQL.

Architecture Design • Requirement Analysis • Agile Development
Database Implementation • Front End & Back End

Languages: C#, Java

Web: HTML5, CSS3, JavaScript, jQuery, TypeScript

Web Services: REST API, Web API 2

Web/App Servers: Apache/Tomcat, IIS

Frameworks: .NET Framework, .NET Core, AngularJS, Angular, Entity Framework, Spring (Boot, Data, AOP, Dependency Injection), Hibernate, JPA, NodeJS

Databases: MS SQL, PostgreSQL, MongoDB, MySQL

Design Patterns: MVC, Singleton, Prototype, Observer, Dependency Injection, Adapter, Decorator, Iterator, Factory, Domain-Driven Design (DDD)

SDLC: Scrum, Agile, Waterfall

Tools: Visual Studio, Eclipse, IntelliJ, VS Code, Pentaho, SourceTree, Bamboo, Octopus, SonarQube, JIRA, Confluence, Telerik Report, Kibana, New Relic, Docker, Git, Hashicorp Vault, NUnit, XUnit, JUnit, Splunk, AWS (EC2, Redis, S3 Bucket, SQS, Lambda, Step Function)

Platforms: Windows, Mac OS, Linux

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science**

VERISK, New Jersey, USA • 2023-Present

Verisk Analytics is a leading data analytics company that specializes in providing data-driven insights and solutions to various industries, including insurance, finance, healthcare, and energy.

Developer II • 2023-Present

Working as a developer for web and API projects, to enhance applications with new features and security measures, and strategically plan and deploy updates in coordination with cross-functional teams.

- Collaborating with the product owner to analyze business requirements for grooming JIRA stories.
- Engaging in code reviews to uphold high standards of quality and maintainability.
- Improving APIs and web applications by incorporating new features and security measures.
- Investigating intricate customer issues to deliver optimized solutions.
- Strategically planning the deployment of new features in coordination with other teams.
- Improving the Bamboo plan and testing projects, using SonarQube to maintain a consistent 80% code coverage.

VERISK, continued:

Technologies in Use: HTML, CSS, JavaScript, REST, Angular, .NET Framework, Document DB, Hashicorp Vault, Visual Studio, VS Code, SourceTree, Bamboo, Octopus, SonarQube, JIRA, Confluence, Kibana, New Relic, Splunk, AWS (EC2, Redis, S3 Bucket, SQS, Lambda, Open Search, API Gateway)

VERISK NEPAL, Lalitpur, Nepal • 2019-2022

A subsidiary of ISO Verisk Analytics. Develops analytical software for the insurance industry.

Software Engineer • 2021-2022

Designed and developed high-performance APIs and web applications through all phases of the Software Development Life Cycle. Analyzed, debugged, and fixed technical defects. Mentored junior developers.

- Designed improved architecture for existing desktop application, re-engineering into batch processes using AWS S3, AWS Lambda, AWS Step Function, and AWS Batch, which eliminated manual intervention and greatly reduced bug and support requests.
- Implemented secure technologies like using Hashicorp Vault to get credentials by authenticating against AWS IAM role, and Redis Cache to store token for Cubbyhole.
- Created scalable, permanent, fault-tolerant systems in AWS environment with Load Balancer, AWS API Gateway, AWS EC2, and New Relic monitoring.
- Created Bamboo plan to analyze project with SonarQube, consistently maintaining 80% code coverage.

Technologies Used: HTML, CSS, JavaScript, REST, Angular, .NET Core, .NET Framework, Web Forms, MS SQL, PostgreSQL, Hashicorp Vault, Dapper, Entity Framework, Visual Studio, VS Code, Pentaho, SourceTree, Bamboo, Octopus, SonarQube, JIRA, Confluence, Kibana, New Relic, Splunk, AWS (EC2, Redis, S3 Bucket, SQS, Lambda, Step Function, API Gateway)

Associate Software Engineer • 2019-2021

Followed the complete SDLC and used the latest technologies to develop APIs and web applications.

- Participated in code reviews to ensure high quality and maintainability standards.
- Collaborated with senior developers and project managers to understand project requirements and contribute to project planning.
- Automated manual data cleaning and validation process using Pentaho.
- Developed new version of API in .NET Core while ensuring seamless operation of the previous version.
- Optimized queries for PostgreSQL and used asynchronous programming for Transaction Logging with SQS, which improved performance by 20% as shown by load tests.
- Performed data migration from PostgreSQL to Elasticsearch database using Logstash.

Technologies Used: HTML, CSS, REST, .NET, MS SQL, PostgreSQL, Hashicorp Vault, Dapper, Entity Framework, Visual Studio, VS Code, SourceTree, Bamboo, Octopus, SonarQube, JIRA, Confluence, Kibana, New Relic, AWS (EC2, Redis, S3 Bucket, API Gateway, SQS)

AQORE SOFTWARE, Kathmandu, Nepal • 2018-2019

US-based software company developing comprehensive staffing and recruiting software.

Software Engineer: Hired in 2018 as intern, moved to full-time Software Engineer in 2019.

- Communicated with product owner to gather and analyze project requirements.
- Wrote SQL queries and stored procedures for invoicing, payroll, and timesheets.
- Developed and integrated web application components using the above queries.
- Designed invoice, paycheck, and management reports with Telerik Report.

AQORE, continued:

Technologies Used: C#, .NET Core, MS SQL, Git, Telerik Report, Angular

PROJECTS

Maharishi International University, Fairfield, Iowa (2023):

- **Library Management System:** Developed major functions for each role of a console application which manages books, library members, and librarians.
Technologies Used: Java, Eclipse, StarUML, Git
- **Car Rentals:** Created web application where users can search for nearby car rental companies, make full-text searches, and book a car for rental. Application provides seamless, convenient way to search multiple companies and make quick, easy bookings.
Technologies Used: NodeJS, Angular, MongoDB, S3, Git
- **Badge & Membership System:** Created microservices of RESTful application which provides secure, efficient method for university students, faculty, and staff to enter designated areas on campus. System allows either Limited or Unlimited access, and tracks transactions for auditing.
Technologies Used: Azure DevOps, Spring Boot, MS SQL

Employee Tracking with Image Processing: Designed and implemented an Android application which prevents proxy attendance through facial recognition and GPS tracking, including a web application allowing HR to trace reports through Google Maps. **Technologies Used:** Java, Eclipse, Android Studio, Google Maps API, Tomcat, Spring, MySQL

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion April 2025)

Maharishi International University – Fairfield, Iowa

Key Courses: Fundamental Programming Practices; Modern Programming Practices; Web Application Programming; Modern Asynchronous Programming; Algorithms; Enterprise Architecture; Software Architecture

Bachelor of Science in Computer Engineering (2018)

Advanced College of Engineering & Management – Kathmandu, Nepal

PROFESSIONAL DEVELOPMENT

AWS Certified Cloud Practitioner

ASP .NET Training

Award, The Verisk Way to Go! (2022)

3rd Place, National Level Programming Contest (2017)

3rd Place, IT Meet (2016)