

Binu Swaraj VS

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Senior Project Engineer

Experienced Senior Project Engineer with a demonstrated history of working in the IT industry within the past 6 years. Skilled in FullStack development, cloud environments, data classification, and security measures. Proven track record of delivering complex projects and ensuring data privacy and security compliance.

WORK EXPERIENCE

SonicWall • Bangalore, India

04/2022 - Present

Staff Developer

- Developed backend applications using Java and Golang, resulting in 30% decrease in system memory and overall performance improvement.
- Enhanced security measures resulted in a 40% decrease in security breaches in 2023, safeguarding sensitive data and boosting client trust.
- Managed and maintained 3 databases, ensuring high availability and reliability for critical business operations.
- Optimized flow of Encrypted Syslog Messages through UDP, reducing the IO Metric by 20% in 1 week by including multiple listeners on a single port and a cache for initial load-off.

Wipro Technologies Pvt Ltd • Bangalore, India

08/2017 - 04/2022

Senior Project Engineer

- Directed the assessment of technical feasibility for 3 UI projects, resulting in a 20% increase in on-time project delivery and improved client satisfaction.
- Executed 3 innovative use cases in Semantic Data Hub, and brought a 25% reduction in data retrieval time.
- Involved with the implementation of Live Twitter Stream Data & Document Classification.
- Implemented Document Classification using AutoTagger & QA for Semantic DataHub.
- Developed Power BI integration application with single sign-on feature in C# using ASP.NET MVC Framework.
- Created different ontologies (RDF Files) using Protege Desktop Application.
- Developed a Configurable Custom Ontop API for interaction of relational database with RDF data.
- Improved efficiency by 30% through the design and development of Metadata storage for Data Catalog Solution using RDF data model, resulting in faster data retrieval and analysis.
- Ensured compliance with data privacy and security standards, resulting in a 70% reduction in vulnerabilities and maintaining the company's reputation for reliability.
- Successfully implemented agile methodologies, resulting an increase in project efficiency and on-time delivery, improving overall team productivity and client satisfaction.
- Enabled cost reduction of 50% by presenting a paper on comparing commercial and open source databases, facilitating scalability to meet higher demands

EDUCATION

Bachelor of Technology in Computer Science & Engineering

College of Engineering Trivandrum • India • GPA: 7.34

AWARDS & SCHOLARSHIPS

Secured promotion from Project Engineer to Senior Project Engineer

01/2020

Wipro, Bengaluru

PROJECTS

Global Management System (GMS) & Network Security Manager (NSM)

04/2022 - Present

Product: Web-based applications that can manage thousands of SonicWall firewall appliances from a central location.

Worked in Java & Golang. Technical lead of features: Multi-Factor Authentication in GMS, Syslog Collection encryption & Optimization in GMS, Firewall Up & Down Status manager in NSM. Implemented Security Enforcements for GMS.

Semantic Data Hub

07/2019 - Present

Objective: to solve common metadata collection, management, and exploration tasks around structured/unstructured documents. Role: Developer/Key Contributor/Technical Designer Involved with Entity Recognition from CRF sequence models/Regular Expressions/Taxonomy Files. Created Custom Ontology for business use cases with Protege Desktop Application. Worked on Generic Ontology Read for making the RDF easily readable. Identified knowledge graph from extraction results. Worked with MarkLogic database interaction for Documents and RDF data & XML files. Used Ontop Extension for connecting Relational Databases (PostgreSQL, MySQL, SQL Server, Oracle, and DB2) as Virtual Graph with RDF data.

Power BI Integration with Organization Data

03/2019 - 06/2019

Objective: to create a customized application for managing and embedding Power BI reports with Power BI Service Endpoints. Worked on Backend implementation of REST API calls. Built application for managing and embedding Power BI dashboards in C# using ASP.NET MVC Framework.

Data Collection from Social Media & Inferencing

07/2018 - 02/2019

Objective: to collect data from various social media services concerning keywords/hashtags. Fetched data from different API's of Social Media services (Twitter, Facebook). Generated Gender Prediction Model based on Name/Content-based Data classification. Completed Sentiment Analysis from existing libraries. Prepared Timeline graph of Sentiment & Geo Heatmap.

SKILLS

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|----------------------------|-------------------------------|--------------------|------------|
| • Agile | • Google Cloud Platform (GCP) | • MarkLogic | • Python |
| • Amazon Web Service (AWS) | • Gradle | • MAVEN | • RDF Data |
| • Apache Tomcat | • H2 | • Microsoft SQL | • Redis |
| • Azure | • Java | • MySQL | • Security |
| • Eclipse | • Javascript | • Node JS | • Sparql |
| • GIT | • Knowledge Graph | • PostgreSQL | • SQL |
| • Golang | • Linux Terminal | • Protege | |
| | | • Protocol Buffers | |