

VENUGOPAL K

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Highly skilled software Architecture consultant with over 20 years of experience in **Software Architecture**, improving **code quality**, transforming **developers into architects** and **mentoring** teams in **clean coding** practices. Adept at conducting thorough **code reviews**, expertise in **designing and coding robust** software solutions.

JOB RELATED SKILLS

- Analyzing new requirements and prepare high level design for requirements by performing spikes user story.
- Conducted comprehensive code reviews and ensuring code quality and reliability.
- Modified and debugged existing software, enhancing performance and addressing customer feedback.
- Prototyping of complex functionality of various products for proof of concept.
- Training and mentoring of Software Professionals
- Mentoring of customer's development staff on best practices on various products
- Repeated orders from the same clients.
- Well-versed in Complete ALM
- Specialized in Application Design and Architecture
- Specialized in Design Principles and Patterns
- Specialized in Component based service Multi-Layer and Multi-Tiered Architecture
- Specialized in Full stack Application Development
- Specialized in DDD and Microservices
- Strong Expertise in Production Debugging (Memory Leak, Performance, Application Crash Issues)
- Specialized in Design and Development of Distributed Systems
- Specialized in Application Transformation
- Prototyping of complex functionality of various products for proof of concept.
- Specialized in Domain Driven Design (DDD), Test Driven Development (TDD), Behavior Driven Development (BDD)
- Specialized in Microservice architecture, Cloud and Serverless Architecture
- Strong Expertise in XAAS (Everything or Anything as Service)
- Strong Expertise in Programming Paradigms

WORK EXPERIENCE

01-June-2003

Executive Technical

SREZAU Global Solutions , Bangalore (INDIA) .

01/10/2004–05/11/2007

Senior Technical Associate

Helios and Matheson, Bangalore (India)

01/12/2007–31/03/2016

Freelance Technology Evangelist, Consultant and Mentor

Philips, Robert Bosch India, Siemens, Intel , Philips NXP, CGI, Aditi , GE , HCL, RBS ,Aditi, HARMAN, Sys Teleca, Excel Soft, EY , Citrix, Barco, Cvent, Sasken, Novel, (India) ,VISA (Singapore)

01/04/2016–30-06-2017

Senior Software Engineer

Onechain GmbH, Berlin (Germany)

1-07-2017 – Present

**Freelance Technology Evangelist, Consultant and Mentor ,
Board Director : TrittechSamvit Pvt Ltd .**

EXPERIENCE - PROFESSIONAL AFFILIATIONS

Robert Bosch || ExxonMobil || Philips || Zeiss || Siemens

Role: Mentor, Consultant Architect

- Conducted regular code reviews and provided mentorship to junior developers and Senior Developers, fostering a culture of continuous improvement.
- Designed and implemented software solutions using required Architecture Style and Patterns
- Built a strong pool of Clean Coders through TCQ Foundation Program
- Built Test Automation Framework to test Embedded System Code using Xunit Architecture
- Lead initiatives to improve code quality across multiple projects, resulting in reduction in bugs and increased maintainability

OneChain GMBH Berlin.

Role: Senior Software Developer

- Collaborated with cross-functional teams to design and implement features, enhancing product functionality.
- Produced well-organized, optimized, and documented source code in C# and JavaScript, ensuring high-quality deliverables.
- Integrated SAP systems with Existing Software Solution Utilized SAP adapter interface to integrate facilitating enhanced functionality and interoperability.
- Refactored UI Layer from Server Centric Arch to Client Centric Architecture

Cognizant || Happiest Minds || Mind Tree (L&T)

Role: SME

- Transformed development teams by mentoring individual contributors into architectural roles, enhancing their understanding of Software Architecture Roles and Responsibilities
- Mentored the associates on Impact Analysis and Design Refactoring Changesets
- Conducted comprehensive verification on Architecture Decisions Using ATAM or QAW
- Developed Application Using JAM Architecture
- Helped the team to Modify and debug legacy code by building safety net
- Helped the team to build TechRadar

Infineon

Role: Code Quality and Architecture Consulting (4months)

- In-depth analysis of current codebase to identify strengths, weaknesses, and areas for improvement
- Evaluation of code maintainability, readability, and adherence to coding standards.
- Architecture Review: Assessment of overall architecture for alignment with best practices and scalability requirements
- Identification and resolution of potential architectural bottlenecks.
- Implementation of code quality metrics to track and monitor improvements.
- Proposal and implementation of coding standards and best practices.
- Training sessions for development teams to ensure adoption of improved coding practices
- EDA Tooling Recommendations
- Provision of comprehensive documentation of code quality recommendations and improvements.

TECHNICAL SKILLS

- Rich GUI –Visual Basic, MFC, Direct-x, WPF.
 - Languages – C#, VB.Net, Java, C++, JavaScript
 - Development Methodologies : TDD,BDD
 - Scripting Languages – Jscript, JavaScript, VB Script. Typescript
 - XML Standards – XML, XSLT, XSLT-FO, DTD, CSS, XPATH, XSD, WSDL & SOAP
 - Service Oriented Architecture- Web Service using .Net and JWSDP, .Net and JAVA
 - Application integration – SOAP and REST
 - Data Access Components: ADO.Net, LINQ, PLINQ, ODATA
 - ORM: Hibernate, ADO.Net Entity Framework
 - Java Standards: java, SAAJ, JAXP, JAX-RPC, SPRING
 - Framework – Microsoft Visual Studio .NET (1.1, 2.0, 3.0, 3.5,4.0,4.5,4.5.1), .Net Core
 - Business Process Modelling- Windows Workflow Foundation (WWF) , Microsoft Flow
 - Ajax Framework: ATLAS, jQuery, Dojo toolkit
 - Web Technology: ASP, ASP.Net and ASP.net MVC, ASP.net Core
 - RIA Framework: Silverlight, Flash, Blazor
 - Composite UI Application Block: Prism
 - DI Containers: MEF, NINJECT, UNITY, Autofac etc
 - Cloud – Azure, AWS
 - Containers: Docker
 - Container-Orchestrator: Kubernetes, Docker Swarm
 - JavaScript Libraries - Knockout.js, KendoUI, Bootstraper, Karma, Require, Amplify, JQuery
 - SPA Framework and Related Library – AngularJS (1.5,2.0 ,4.0), Angular EmberJS, Durandal, React
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- State Containers: REDUX, NgRx
 - Static Code Analysis Tools - Ndepend , JSLint , Sonar
 - Web Application Complete Stack: Meteor, Mean, CEAN
 - Server-Side JavaScript Platform: NodeJS
 - Software Architecture Modelling: 4+1, C4 Model

EDUCATION

BE in Computer Science, BMS Engineering College Bangalore

Stanford Certified Cyber Security Program