Contact

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Top Skills

Java Development
Elasticsearch
REST APIs

Languages

English
Malayalam
Tamil
Hindi

Certifications

Professional Scrum Developer

Honors-Awards

Excellence At Workplace
Star Of The Month

Vijayakrishnan Ramesan Nair

3x AWS Certified | Architect | Hand-On Developer
Melbourne, Florida, United States

Summary

With over 17 years of experience in the software industry, I am a
seasoned software architect with a proven track record of delivering
successful projects. My expertise lies in designing, developing, and
implementing software solutions using a range of technologies,
with a particular focus on API development using Java and cloud
technologies. I am also a certified AWS professional, bringing a deep
understanding of cloud computing to my work.

Experience

Wabtec Corporation
Senior Staff Software Architect
October 2023 - Present (2 years 2 months)
Melbourne, Florida, United States

> Developed a cost-effective and high-performance CockroachDB changefeed
solution, optimizing resources and meeting stringent SLAs.
> Architected a fault-tolerant, highly available message processing system for
PTC functionality, enhancing operational reliability.
> Conducted Failure Modes and Effects Analysis (FMEA) for event-based PTC
message processing, collaborating with various stakeholders to identify and
mitigate risks.
> Authored comprehensive PDS 2 solution architecture documentation,
ensuring clarity and precision for Norfolk Southern's technical teams.

Achievements

> Received award("Expand the Possible") for the Changefeed Alternative
Solution

Envestnet, Inc
5 years 1 month

Architect - Product Development
October 2021 - September 2023 (2 years)
Trivandrum, Kerala, India

> Led the development of the next-generation cloud-native APIs, utilizing Java, Spring Boot, and AWS services to ensure high efficiency and reliability.
> Designed and implemented high-performant real-time data ingestion pipelines using spring-boot, Kafka, and Elastic Search/AWS Aurora.
> Excelled as a scrum master, skillfully conducting scrum ceremonies and adhering to strict time boxes. Ensured the team consistently achieved sprint goals with demonstrable deliverables.
> Collaborated effectively with cross-functional teams to resolve impediments related to cross-team dependencies.
> Acted as a key member of the local ARB for Open ENV APIs, meticulously validating API contracts and providing recommendations to align with organizational standards for all scrum teams.
> Conducted comprehensive code reviews to enhance software quality, maintainability, and performance. Ensured releasable software met proper code coverage and branch coverage standards.
> Conducted performance reviews of direct reports and proactively identified skill gaps, mitigating them through various technical, functional training and mentoring initiatives.
> Introduced bi-weekly tech-chat sessions, fostering a collaborative platform for the department to share learnings, conduct technical training, and enhance overall team cohesion.

Associate Architect
September 2018 - September 2021 (3 years 1 month)

> Successfully facilitated the seamless transition of the Folio Dynamix Platform into Envestnet, providing ongoing support and maintenance for the platform.
> Actively contributed to the modernization of the Folio Dynamix Platform, leveraging cutting-edge technologies like Kafka, Elastic Search Datastore, and microservices. Resulted in significant performance optimization and scalability improvements.

Allstate
Senior Lead Consultant
March 2017 - September 2018 (1 year 7 months)
Pune, Maharashtra, India

Worked as a senior lead consultant in Allstate.

• Managed a successful Web Services Team at Allstate Roadside Services, ensuring smooth operations and exceptional service delivery.

• Leveraged expertise as a Subject Matter Expert (SME) to facilitate the seamless migration of web services to the cloud, collaborating closely with the PCF Team.
• Conducted thorough cost and trend analysis of production outages and support activities, resulting in proactive measures to enhance system stability and reduce downtime.
• Demonstrated effective vendor engagement skills, leading to quick resolutions of outages and substantial cost savings for the organization.
• Designed and implemented a resilient framework, migrating legacy services to spring-based microservices. Achieved high availability and enhanced system performance.
• Developed high-quality Java and Spring Framework APIs for Allstate Roadside Services, facilitating seamless integration and robust functionality.
• Ensured the highest standard of code quality and adherence to API standards through regular and comprehensive code reviews for production releases.

Synergy Global Systems Inc
Technical Consultant
February 2016 - February 2017 (1 year 1 month)
United States

Worked as a technical consultant for one of the leading healthcare company based in Boston. Mainly worked on technologies such as web services, liferay portal, ADF applications.

Job Responsibility Included :

• Was responsible for development, maintenance and enhancement of various systems such as KDQOL, Payment portal etc.
• Did the Design and Development of various REST APIs with minimal defects and in accordance with industry standards.

AB TECHNOLOGIES
Technical Consultant
May 2015 - February 2016 (10 months)
United States

• Worked as a consultant to provide design and development expertise in REST APIs and SOAP services to clients.
• Assisted clients with development and maintenance of various ADF applications.

Syntel inc

7 years 9 months

Senior Technical Specialist

October 2013 - May 2015 (1 year 8 months)

Chicago, Illinois

I currently work for a leading Insurance client based in Chicago as a technical consultant from Syntel.

My current job responsibilities include :

• Development/Support/Analysis.

• Onsite/Offshore coordination.

• Requirement gathering and analysis.

• System Designing and estimations.

• System migration activities.

• Defining service contracts.

• Development/Support of common re-usable architectural framework for faster in-house

development.

• End to end testing for various applications.

• Analysis, design and development of Proof of Concepts.

• Code review.

• Quality tasks.

• Assistance to other team members

Project Leader

March 2011 - October 2013 (2 years 8 months)

I am currently working for Allstate Roadside Services as a contractor from Syntel

Senior Analyst programmer

September 2007 - March 2011 (3 years 7 months)

Education

Kerala University

Bachelor's Degree, Computers · (2004 - 2007)

St Mary's Residential Central School,Trivandrum

Computer Science · (2002 - 2004)