

Rajeesh K

Solution Architect

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Summary

Software Architect with experience in Cloud, Software System, Distributed Computing, and Microservices architecture. My experience spans across from generic application development to SOA/ ESB platform to modern Microservices.

Good exposure to BigData, ML, NLP concepts, and its related ecosystem tools.

Experience with Data solutions using cloud-centric ETL, DW, and reporting tools.

Hands-on development experience in Java, PHP, Perl, Python, and Node.

Experience

Independent consultant

Solutions Architect

August 2016 - Present

Remote

Working with Cloud platforms using Containers & Serverless Systems. Proficient in AWS, GCP, and Azure in major service areas. Most of the work involves Microservices/ Nano-services architecture.

Engaged with startups and enterprise on cloud adoption which spans from greenfield development, migration, and re-platforming.

GCP

- Migration from AWS VM based system into the GKE platform. Most of the AWS services are converted as Kubernetes based operators.

- Designed & developed a data warehouse solution in GCP using BigQuery, Cloud Pub/Sub, Cloud Dataflow, DataPrep, Data Fusion, Cloud DataStorage, and Data Studio.

- Developed an OCR application using Translator, Vision API, CloudFunctions, Pub/Sub & Cloud Spanner.
- Refactored an SOA XML based system into an API system using Google Apigee suite & Identity Aware Proxy.
- Architected a complete container orchestration platform using GKE, Istio, Stackdriver, and Spinnaker

Azure

- Implemented a DW project using Azure DataFactor, Azure DataLake, Azure Synapse, Azure Databricks, and PowerBI.

AWS

- Design of the Serverless Microservices on AWS using the following services: API Gateway, Lambda, StepFunctions, SQS, SNS, DynamoDB.
- Designed and Developed a complete CI/CD system using AWS ALM tools like CodeBuild, CodePipeline, Lambda, CloudFormation.
- Evaluated and implemented Serverless architecture and patterns like State Machines, Pub-Sub, Fan-Out, Saga, and Latency Injection.
- Good knowledge of the following AWS tools: IAM, CloudWatch, and X-Ray

Accel Frontline Ltd

Senior Technical Architect
Trivandrum, India

December 2015 - May 2016 (6 months)

Architecture Design & PoC development and evangelization of Cloud-related services across organisation. This involves both modernization and greenfield development in AWS.

Services

- Route53, EC2, ECS, Docker, ELB and VPC, CloudWatch, CloudFront, EFS, RDS & S3.

Freelance

Technical Architect
Bengaluru, India

August 2013 - December 2015 (2 years 5 months)

Primarily involved with startups on cloud infrastructure design, team building/ mentoring, application design, and hands-on development.

Technologies: AWS, Node, Laravel, Play Framework, Docker, MongoDB, Solr, MySQL, Memcached, Redis, Git

Business domain: Ad Network, Retail(B2B & B2C), Logistics, Cloud management.

Maxim Integrated

MTS
Bengaluru, India

February 2008 - July 2013 (5 years 6 months)

Technical Lead for the corporate portal - maximintegrated.com. This portal is developed using Apache, Mod_Perl, Mason, and MySQL.

Participated in the development, design, and hosting of the platform on Rackspace.

Handled integration project using the Tibco ESB platform by connecting the system consists of Salesforce, ADP, and SAP.

Yatra Online Pvt Ltd

Technical Lead
Gurgaon, India

August 2007 - February 2008 (7 months)

Lead a team of 6 members on Middleware development. The key verticals are Airline and Hotels.

The primary development platform was on Apache, Mod_Perl, Mason, and MySQL.

Developed the Fraud Prevention Tool, Promotion Code Admin Tool, and Tracking Codes.

Trenton Systems Pvt Ltd

Lead Architect
Bengaluru, India

January 2004 - July 2007 (4 years 2 months)

The company focuses on Email Anti-Spam as a service. Involved with research and implementation of the components required to make a proper Anti-spam solution using open

source tools. The software stack consists of CentOS, SpamAssassin, Postfix, DSPAM, and PostgreSQL.

Centerac Technologies Limited

Senior Software Engineer

April 2001 - December 2003 (2 years 9 months)

Mumbai, India

Involved with the B2B portal development targeted for the Textile domain. Identified the key modules required on the portal based on the business case. The entire system has been developed using Apache, PHP, Java, and MySQL.

Some of the key achievements are:

- SOAP-based Web Service development to connect business partner systems.
- Market intelligence report generation development using PHP.
- Payment system integration, E-orchestration of B2B exchange.
- Developed and Maintained Workflow Management Solutions.

Damden InfoTech Pvt Ltd

Software Engineer

August 1999 - March 2001 (1 year 8 months)

Bengaluru, India

Involved with portal development targeted for kids.

Primarily role was to design and develop different application modules using Java, Servlets, and JDBC. Installed and configured the Apache Web server and Servlet container based on Mod_Jk. Managed the development operation systems on the Linux platform.

Education

University of Calicut

Master of Computer Applications (M.C.A.), Computer Software Engineering