

Shishir L.

Software Engineering Lead at CSIRO

Summary

Backend expert with experience in server side technologies (JVM - Scala and Java) spanning all stages of software development lifecycle going through analysis, architecture, design, development, testing, documentation and development-staging-production deployment of enterprise applications.

<https://github.com/ceecer1>

- Following the obvious DDD (Domain Driven Design) approach in software architecture and development.
- Good concept of FP, OOP, OOAD, SDLC, and Design Patterns.

Key Expertise:

- FP in Scala, AKKA, Play2, Spray, Akka-HTTP, Akka Cluster, Akka Persistence, Apache Spark
 - OOP in Java, JSF, Struts2, Spring MVC, Hibernate, iBatis
 - Html, Css, Javascript, JQuery, AngularJs
 - MSSQL, MySQL, PostgreSQL, MongoDB, Cassandra, Redis, Memcached
 - Docker, AWS, TDD, BDD, Continuous Integration, DevOps skills
 - REST, Microservices, Distributed Architecture
 - Strong analytical, problem solving and trouble shooting skills.
 - Key team player, quick learner, details oriented, accountable and results driven.
 - Excellent Communication and Teaching skills.
 - HIPAA Certified Professional for US Healthcare domain (License Verisk Health Inc.)
 - Certified Scrum Master [License: 171295], Scrum Alliance Inc., Sept 2011
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Experience

Software Engineering Lead at CSIRO

July 2017 - Present

Working on research projects.

Software Engineer at SolOrient

August 2016 - July 2017 (1 year)

Developed 'Horizon' - suite of enterprise solutions targeted to local government.

Scala/Akka Backend Engineer at PiiQ

March 2016 - March 2017 (1 year 1 month)

Responsible for the backend engineering and deployment using technologies Scala, Akka, Play Framework, Akka-persistence, Akka-cluster, Akka-HTTP, Cassandra, docker, Shippable and AWS.

Software Engineer

May 2012 - March 2016 (3 years 11 months)

Led the team to develop offshore outsourced projects of clients based in the US, Canada and Denmark.

Involved in : Software architecture, Functional Programming, API design and development, microservices implementation for enterprise projects, Research & Development, Devops skills.

Expertise on: Play Framework, Spray, AKKA, Scala, Java7, MongoDB, Cassandra, Docker, Microservices architecture, CQRS, Event Sourcing, MySQL, Postgres, SAAS application backend, REST API development, High volume read and writes, Apache Kafka and Storm implementation for real time analysis.

Software Engineer at Verisk Analytics

July 2010 - April 2012 (1 year 10 months)

Developed SOA solutions for ISO(Insurance Service Office, NJ, USA), to satisfy business goals that included easy and flexible integration with legacy distributed systems.

ISO is a member of the Verisk Insurance Solutions group at Verisk Analytics.

Worked as lead, tested and developed a Detailed Billing Service integrating with the legacy Passport Engine.

Worked as lead and developed junit test cases for the modules of the Passport Web and Engine. There are 30+ modules from which the Passport system gets data e.g Auto, Air Hazard, Wind, Landslide etc.

Worked as lead and developed an Auto Fair Credit Reporting Act (Auto FCRA) application to integrate with the Passport system.

Insurers like Paragon Managers, Southland Lloyds, and Loudoun Mutual order reports from ISO Passport containing information critical to underwriting and other insurance-related decision-making activities in order to determine customer's eligibility for insurance coverage.

Co-worked on Project Management Office(PMO) Dashboard project which is being used by ISO Project managers for project tracking and management.

Technologies used: Struts2, SpringMVC, Spring Batch, Junit, Spring Security using hibernate and SpringJDBC in the back-end along with IBM DB2 and MSSQL databases, javascript/jQuery, css and html in the front end.

Solid experience and knowledge working on IBM RAD environment and deployment of application in Websphere Application Server, Support and troubleshooting, Test Driven Development, Design patterns, Continuous Integration, Enterprise Application Architecture from Requirement Analysis to final Release in Production using Agile based development methodology.

Involved in Pair Programming, Code Review, Refactoring, training, mentoring, discussions and project proposals.

Tools used: Rally for agile development, Atlassian-Jira for issue tracking, Atlassian-Bamboo for nightly builds, FishEye-Crucible for code review, Sonar for code quality.

Java Developer

January 2009 - June 2010 (1 year 6 months)

Worked as a software engineer on government project for Ministry of Physical Planning, Works and Transport Management. Developed a project to digitise the Vehicle Licensing and Management of Ministry's Department of Transport Management.

Worked on tracking part of Payment Gateway application for a local business client. Developed code documentation.

Skills: JSF, Spring, Spring, css, html, javascript, tomcat

Education

Tribhuvan University

Bachelor in Electronics and Communication Engineering, Wireless and Mobile Communications, Programming Embedded Systems, 2004 - 2008

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[Contact Shishir on LinkedIn](#)