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## Java, Spring Boot with Microservices & AWS development

**SME: Banking & Insurance** (Credit Risk Assessment, Online Banking & Capital Markets, Life Insurance)

**Location:** Bangalore, India

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## PROFILE

12+ years of experience primarily in investment and retail banking domains, involved in design, development and integration of high frequency and low latency applications using Java, JEE, Spring Boot microservices, Docker, Kubernetes & AWS services.

### Technical/Domain Certifications Acquired

[AWS Certified Solutions Architect – Associate](#)

Sun Certified Java Developer – (SCJP)

Sun Certified Web Component Developer – (SCWCD)

Sun Certified Business Component Developer – (SCBCD)

Oracle Certificate Associate – OCA (SQL & PL-SQL)

SCRUM Master & Developer

The Institute of Banking & Finance (IBF) - Module 6. Capital Market Securities Products & Analysis

### Pursuing Technical/Domain Certification(s)

Chartered Financial Analyst (CFA) level 1

[Certified Kubernetes Application Developer \(CKAD\)](#)

### Continues integration with DevOps & Introduced Live Performance Monitoring application in production

Implemented continues integration with DevOps tools such as bamboo or Jenkin, GIT, Junit, Jira, Spring boot, Docker

Introduced hystrix framework for fault tolerance, stop cascading failure

### Successfully migrated monolithic application into spring boot microservices (worked as solution architect).

Studied the existing application flow to understand the business flow and identifying the issues with existing system.

Explored lot of options in AWS cloud services to adapt right services to new application model.

Used EKS- Kubernetes as orchestration to deploy and manage docker container micro services

### Member of vendor selection committee

Tendering to approved vendors, attending the meeting with them and review their POC

As a committee team, choose right vendor & software system after done their POC

Mange to review their vendor code, co-ordinate with them for all releases



## TOOL BOX

**Programming:** Open JDK12, Java 1.8, Java EE (J2EE) 1.7 – JSP, Servlets, Jax-WS, RESTful web services, HTML5, CSS3,

Angular 2, Node JS, React JS UNIX Scripts, Junit, Graph DB, NO SQL, Graylog.

**AWS Services:** Compute – EC2, Lambda ECS , Storage – S3, Database – RDS, Analytics – Kinesis, Networking & Content Delivery – Route 53, API Gateway, Management & Governance – CloudFormation, Security, Identity, & Compliance – IAM, Cognito, Key Management Service, Application Integration - Simple Notification Service (SNS), Simple Queue Service (SQS). EKS clusters

**Framework & Tools:** Struts1x, Spring boot 2x, Spring core, Hibernate with JPA, EJB, Apache POI, Apache JMeter and Jasper reports.

**Middleware & DB:** Websphere MQ 7 (WMQ), Oracle 11g, DB2, MySQL, Orient DB, PostgreSQL, Elastic Search, Redis Server. kafka

**Application/Webserver:** Websphere v8.0, Oracle Weblogic, JBoss 7, Apache Tomcat 7+

**Docker:** Docker container, Docker Compose, Docker-machine.

**Orchestration:** Docker Swarm & Kubernetes (Amazon EKS clusters)

**Centralized logging :** Fluentd, AWS Kinesis stream and graylog

**Methodology:** Agile Scrum, Kanban and waterfall model.

**IDE & Versioning Tools:** CVS, SVN, Dimensions, GitHub, Eclipse 4.x, Ant, Maven, gradle, ivy.



## WORK EXPERIENCE

Mouritech – eCommerce (Yankeeekicks)

July 2022 – Mar 2023

Development – Individual Contributor

Work From Home

Architecting new application for e-commerce product.

Setting up ECS, ALB, Lambda, API gateway in AWS infrastructure for dev, QA and production

Code build set up for ci/cd deployment process

Understanding the existing functionality and adapting it with new approach

Design microservices and initial set up for developers to start the development

Coding new development process as part scrum team

**Programming languages and tools:** Open JDK17, Spring4x, RESTful services, docker container, AWS Gateway API, EC2, ECS, Lambda, S3, RDS, SQS, SNS, CloudFormation, Spring Boot with microservices.

**Methodologies:** Agile

**Team Size:** 18

Hitachi – Cloud Migration

June 2021 – Jun 2022

AWS Architect & Backend development

Work From Home

Guiding project team to migrate legacy applications to cloud/pcf platform.

Understand the existing legacy application and working with the application architects.

Helping application team to migrate legacy application into microservices application.

Creating services in AWS or PCF platform for application team.

Helping them to create CI/CD pipeline using Bamboo jobs

Creating EKS clustering environment with help of devops team

**Programming languages and tools:** Open JDK12, Spring4x, RESTful services, docker container, AWS Gateway API, EC2, ECS, Lamda, S3, RDS, SQS, SNS, CloudFormation, Kubernetes (EKS clusters), Docker Swarm, kafka, Redis Server, Spring Boot with microservices.

**Methodologies:** Agile

**Team Size:** 12

SMI - Anti Money Laundering (AML) & Payment Invoice

Mar 2019 - Dec 2020

Technical Architect

Bangalore, India

Creating CRUD restful services using spring boot.

Creating Cloud to Cloud platform using EKS clustering to get the payment invoice from cloud enterprise services.

Create microservices for FTP, HTTP, SFTP and build docker image and deploy it in docker swarm orchestration

Training Natural Language Processing method to read, understanding the banking fraudulent transaction and human written text.

Create relationships and transactions using graph DB (orient DB) to identify the depth of the transactions between entities.

Build docker image for spring application, Natural Language Processing Application, Natural Language Understanding (Node JS) and run the containers in the CentOS.

Prepare for POC to present the product into various clients in US and PAC.

Manage the control version for DB change with Spring boot flyway

**.Programming languages and tools:** Open JDK12, Java1.8, Spring4x, RESTful services, React JS, Node JS, Unix shell scripting, NO SQL, Graph DB, Elastic Search, docker container, PostgreSQL, Apache prediction, NLP, NLU, Oracle, AWS Gateway API, EC2, ECS, Lamda, S3, RDS, SQS, SNS, CloudFormation, Kubernetes (EKS clusters), Docker Swarm, Redis Server, Spring Boot with microservices.

**Methodologies:** Agile

**Team Size:** 12

Standard Chartered Bank / Indecomm / Zenith - Online & Mobile Banking,

Nov 2013 – Mar 2019

Development Lead & Technical Architect

Malaysia/Hong Kong/IN

Working in nfs framework which involves Spring core, web, security and Hibernate framework for retail on-line banking systems.

Get the requirements from the business, split the work within the team equally and follow the agile methodology for new stack projects.

Review the team member's code before moving to the UAT environment, follow the deployment process to deploy the new changes in production and Handle L3 and Change Requests.

Follow the Agile methodologies using sprint in Scrum for each continuously deliverable items.

**Programming languages and tools:** Java1.8, Spring4x, Hibernate4x, Axis and Jax-WS, JMS Listener, RESTful services, Angular 2, BootStrap, DB2, Websphere MQ, JMS. Unix shell scripting, Scala, docker, Spring Boot Micro services, AWS services.

**Methodologies:** Agile & waterfall

**Team Size:** 8

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Great Eastern Singapore/Apple Stone - Money Market Securities and Life insurance

Jun 2011 – Aug 2013

Senior developer

Singapore

Worked as a senior developer and developed the application from scratch and involved in various phases in the software life cycle.

Develop the quality code, writing Junit test cases, deploying and giving guidelines till production.

**Programming languages and tools:** Spring 2.5, Struts 1.1, Ext JS, JQuery Ajax, LDAP, Hibernate 3.3, My Sql, iReports(Jasper Reports)Apache Tomcat Server, JUnit4.

**Methodologies:** Waterfall

**Team Size:** 1 (Individual contributor)

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CIMB Bank/Krish - Mobile Banking (Mobeix Framework),

Aug 2010 – May 2011

Senior developer.

Singapore

Interact with client for BRD clarification, Design classes based on the requirement.

Involves into development, Mobeix product installation, managing offshore development team, Writing Junit Test cases.

**Programming languages and tools:** Struts1x, Mobeix Framework – iPhone, Android, Hibernate, Oracle.

**Team Size:** 5

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Sella Servizi Bancari - Sella Equity & Investment Bank, Italy,

Sep 2007 – Aug 2010

Developer.

Chennai, India

Implemented Security features by Providing Two Level Authentication by enhancing Admin Security using IP tracking.

Incorporated user preference options for respective stakeholders, and also made accessible for respective stakeholders and Calculation of Risk for User Profile using XML and integrated the Risk Profile in Fund Transactions.

Implemented Automated Testing in core modules using Junit which results in reducing the delivery time, and

implemented testing change impacted module.

Improved Application security levels by using SQL cleaner, removed hidden values in JSP pages and unique values maintained for every request for the following reasons.

**Programming languages and tools:** Spring 2.5, Multi-threading, Hibernate 3.3, Apache POI, FOP, WebCharts, Weblogic 9.2.

**Team Size:** 1 (Individual contributor).



## EDUCATION

2004 – 2007 Anna University, Chennai, India.

Graduated in June 2007 – Master of Computer Application.



## OTHERS

Citizenship: Indian

Date of Birth: 25.10.1982

Language(s): English – Read, Write, Speak.