VIKASH SHARMA

Cloud Engineer/Developer
Singapore

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Summary

- Experienced **Java/Scala Developer** with **5+ years** of work experience including Cloud platforms SAP CP, AWS, ICP
- Dev | DevOps | Security | Performance aspects for large scale Software Applications and Frameworks
- Authored a beginner's book for learning Scala **Learning Scala Programming**
- Authored couple of Pluralsight courses for Scala
  Scala Fundamentals: The Type System & **Scala Specific Design Patterns**
- Expertise in designing, developing and deploying Cloud Applications/Microservices using **Java, Scala, Play, Akka, AngularJS, Kafka, Kubernetes, Docker, Jenkins, AWS, SAP Cloud Platform**
- Strong knowledge Security/Auth standards & frameworks – **Oauth2, OIDC, SSO, Session Mgmt**.
- Experienced working in **Agile | Global** work environments

Skills and Technologies

- **Programming Paradigms –** Functional Programming | Object Oriented Programming
- **Programming Languages –** Scala | Java | ReasonML | JavaScript | Python
- **Libraries & Frameworks –** Play | Spring | Akka | AngularJS | Http4s | Solr | nodejs | Swagger | Ignite
- **Databases –** Cassandra | Hana | Postgres | MySQL | MongoDB
- **Tools –** Kafka | Jenkins | Docker | Kubernetes | Gatling | JMeter | Grafana | API Connect
- **Cloud Technologies –** SAP Cloud Platform | Cloud Foundry | AWS | IBM Cloud Private

Work Experience

1. **Software Engineer at Singapore Exchange Ltd, Singapore**   *July 2019 – To date*

Project Name	OTC Trading Platform
Project Details	Microservices based Electronic OTC trading platform
Responsibilities	Responsible for development of Platform Backend Design and Development on IBM Private Cloud

2. Developer (T2) at SAP Labs, Bengaluru, India   August 2017 – July 2019

Project Name	Cloud application development kit for Scala
Project Details	The SDK enables developers to write Enterprise applications for SAP Cloud Platform in Scala. Of course, both front-end and back-end of application
Responsibilities	- Responsible for development of Frontend Framework - Understand the overall flow, make decisions for frontend framework API, to keep it developer friendly. - Also written testing library for Testing Frontend code - Learn new tools and technologies to make developer life easy from framework adaptation, writing applications to deploying and securing them.

3. Associate Consultant at Infosys Ltd, Pune, India   *Oct 2016 – Aug 2017*

Project Name	Identity and Access Management Solution
Project Details	The objective of this project was to provide a micro-service based centralized Identity and Access Management solution with scalable and resilient REST API services using Play and Akka.
Responsibilities	- Responsible for writing Auth service which involves Authentication and Authorization for users - Implement Two Factor Authentication, Authorization using OAuth2 protocol, create, inspect, revoke access tokens/ id tokens for all grant types - Implement Single Sign on with Session management using OpenID Connect - Worked on user identification and controlled access rights of different UserTypes for resources based on roles, accounts, permissions

4. System Engineer at Tata Consultancy Services Ltd, Chennai, India   *Oct 2014 - Oct 2016*

Project Name	Fido.ca and Ignite TV Backend
Responsibilities	- Responsible for writing RESTFul APIs for Microservices using Play Framework - Used Akka's Actor Model for concurrency, Akka Remoting for Distributed Environment

Education

Bachelor of Engineering, Electronics & Communications, CGPA - 8.04   *2010 – 2014*
Gyan Vihar University, Jaipur, India

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