Samarth Narula

Software Engineer II

Tech Architect | Cloud Architect | Full Stack Developer | Coursera Publisher | Udemy Publisher | TutorialsPoint Publisher | Solution Architect | Microservice Architect | In Collaboration with Great Learning | Live Technical Trainer

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WORK EXPERIENCE

Software Engineer II / Full Stack Cloud Developer
Here Solutions India Private Limited

08/2020 - Present
Maps company, has many different products that provides map data in different formats and visualizations to individuals and other companies

Achievements/Tasks

- HDMaps Product: Created many Java AWS Utilities like adapter pattern code for storing files to S3 buckets and retrieving files from S3 bucket, Microservice integration with AWS SNS Service, RDS database etc.
- EFCS(Earthcore Feature conflation services) Product : provided devops support for montoring health of ECS clusters and manually terminating EC2 instances in cases of issues with ASG(auto scaling group) and also supported snapshotting process, which included creating Terraform script files and triggering Jenkins jobs.
- Learned many new cutting edge technologies like Terraform and how it helps an organization to manage, create and eases future migration of all the infra from one cloud service provider to another cloud service provider and got many learning sessions on how overall architecture is designed.
- Wall-E Lanes Product : Everything from scratch. Architected and developed two ETL(Extract transform load) projects and setup deployment and other services needed using AWS and created trigger pipelines in Jenkins and OLP(Open Location Platform).
- Development Technologies : Java, Scala , Maven, Protobuf for reducing the size of data, Spark for parallelism. Prometheus and Grafana for performance monitoring and its visualization , AWS EC2 for hosting, AWS EC2 builder for creating custom EC2 image, Jenkins, AWS RDS, Splunk, AKKA for asynchronous communication.
- Cloud technologies: Docker, Docker Compose for sequencing operations while deployment, Terraform for Infrastructure as Code, many AWS Services, Gitlab and Jenkins for Pipelines.

Staff Consultant / Senior Java Developer
Oracle Financial Services

12/2019 - 08/2020

Achievements/Tasks

- POC's during Resource Pool : While in resource pool made many POT's on Spring Boot Kafka, Eureka, Docker, AWS EC2, Lambda, Elastic Beanstalk, Code pipeline, S3, DynamoDB, Jmeter Micro-service Design Patterns like API Gateway, SSGA, CQRS, Event Driven Design. Research on Chaos testing tools and methodologies required for business continuity.
- Worked as a Senior Java Developer for OFSS client State Street Bank.
- Responsibility : As a Senior Java Developer at State Street Bank, my role was to understand what data is required by traders and portfolio managers to make business decisions and then based on understanding of business requirement write algorithms for processing and loading of data to oracle DB and flat files from other data sources.
- Innovation: Migrated and decoupled all the existing legacy monolithic applications to microservice applications, replaced JDBC code with JPA and hibernate to resolve the open connection DB issues. Implemented design patterns where it fitted the best. Got rid of boilerplate code and made application more resilient by using Lombok Framework. Also created API Documentation.

SKILLS

Advance Java · Cloud Computing · Amazon Web Services (AWS) · Public Speaker · Presentation · Architectural Design and Development · Full-Stack Development · Microservices · PCF Cloud · Spring Boot · RESTful WebServices · Spring Integrations · JPA and Hibernate · Eureka · Kafka · RabbitMQ · BPMN · Autosys · Protobuf · SQL · NoSQL · Apache Spark · Docker · Jenkins · Gitlab · Mongo Atlas · NodeJS · Rally · JIRA · Scala · Akka · TypeScript · Angular JS · Github · HTML · CSS · JavaScript · Maven · Debugging issues · Product Development · Design Patterns · Technical Support · Web Development · JSON · Google Firebase · Mockito · Lombok Framework · Tableau · Business Intelligence Tools

PERSONAL PROJECTS

Coronavirus Tracker Web Application (03/2020 - 12/2020)
- Created an Corona Virus tracker web application to track coronavirus cases all around the globe. This application was live on internet for 9 months.
- Features following data for all countries and all states in the world : total number of active cases, total number of new cases today, total number of fatality, total number of people recovered.
- Technologies used : Java, Spring Boot, Thymeleaf, html, css, deployed on PCF Cloud.

Instagram Manager API based Product (08/2020 - Present)
- Features of this product are: Get a list of people you follow and who don't follow you . Get list of people who you don't follow and they follow you . Get username list of followers and following for your accounts using API if you want to do some RND.
- Future Scope: Bulk Follow user accounts in a click. Bulk unfollow user accounts in a click. Single Follow or unfollow with just username in a click. Follow some other users all followers or following in a click. Download all images of a user in a click.

PUBLICATIONS

Cousera Guided Project Certification Course
Microservices with Spring Boot
1st October 2020
https://www.coursera.org/projects/microservices-with-spring-boot

Guided project on Microservices with Spring Boot, This guided project will provide you practical idea about how to configure and use Lombok Framework, Swagger UI, Leverage Dev-Tools for rapid application development, JPA and Embedded Database.

WORK EXPERIENCE

Software Engineer
Accenture : Goldman Sachs and MasterCard Clients

11/2017 - 12/2019

Achievements/Tasks

- 11/2017 – 11/2018 : Worked for Goldman Sachs Client as a Full Stack Developer on a project named Trader Mandate. Role played Full Stack Developer, technical owner, application development, maintenance, deployment, support and automation of support using technical skills. Technology stack GS proprietary java frameworks and packages, ORM , Rule's Engine, workflow Engine. SQL, Angular, Autosys etc.
- 11/2018 – 12/2018 : MasterCard and BBH Business Workflow POC's.
- MasterCard POC:- Spring Boot integration with Camunda workflow engine. Enhancing the on-boarding process of new customers(banks) on MasterCard network using web technologies(Leveraging Rules engine and Dynamic Framework creation).
- BBH POC: Case study on use of Qlik Sense Desktop over Angular High Chart for the requirement of dynamic info-graph generation, business purpose for the decision making of HNI portfolio investments.
- 12/2018 – 12/2019 : Worked for MasterCard client as a Microservice Cloud Developer on a project named Customer Parameter Enhancement. Responsibilities included application development according to stories written by BA and also played a critical role in deciding the micro-service architecture. Spring boot integrations like Mongo DB, Redis Caching, Security, Lombok, PCF cloud Deployment.

EDUCATION

BE in Information Technology
Mumbai University

05/2013 - 05/2017   *First Class Grade*

HSC in Science
Maharashtra Board

06/2011 - 02/2013   *First Class Grade*

SSC
Maharashtra Board

01/2001 - 03/2011   *Distinction Grade*

PUBLICATIONS

Information Technology Certification Course
Udemy : Creational Design Patterns in Java
1st May 2020
https://www.udemy.com/user/samarth-narula-3/

This course covers the six most popular creational design patterns—Builder, Telescoping Constructor, Singleton, Prototype, Factory and Abstract Factory as well as concepts such as multithreading, mutability, inheritance and Java Heap and Stack workings.

Information Technology Certification Course
Udemy : Learning Spring with Spring Boot
1st January 2020
https://www.udemy.com/user/samarth-narula-3/

This course covers basics of Spring Boot Framework while designing a Parking Lot Application , you will learn how to create Swagger UI, how to use Lombok Framework to minimize the boilerplate even further then most techies can possibly imagine and last but not least understanding of embedded database and leveraging the same for faster application development.

CERTIFICATES

Graphite and Grafana: Visualizing Application Performance (01/2021 - Present)

Apache Spark Essential Training (12/2020 - Present)

AWS Essential Training for Developers (09/2020 - Present)

Learning AWS CloudFormation (08/2020 - Present)

Learning TypeScript (08/2020 - Present)

Scala Essential Training (08/2020 - Present)

Visualizing Citibike Trips with Tableau (08/2020 - Present)

Software Architecture: Domain-Driven Design (06/2020 - Present)

Finance Foundations (07/2019 - Present)

Java: Data Structures (07/2019 - Present)

Spring 5.0 and Spring Boot 2.0 New Features (07/2019 - Present)

First Look: Java 10 and Java 11 (06/2019 - Present)

Git Essential Training: The Basics (06/2019 - Present)

Learning Jenkins (06/2019 - Present)

Mastering Microservices with Java (06/2019 - Present)

Accenture Green Field Industrial Training Program (02/2018 - Present)

Java Tutorial Course (01/2018 - Present)

HTML Fundamentals course (09/2016 - Present)

SQL Fundamentals course (09/2016 - Present)

Learn Responsive Web Development from Scratch (04/2016 - Present)

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency