

Contact

Changi Business Park
Singapore
+919528132119 (Mobile)
bharatmca2010@gmail.com

www.linkedin.com/in/
bharatsingh213 (LinkedIn)
github.com/everythingisdata1
(Blog)
medium.com/@bharat-singh-06
(Blog)

Top Skills

Large Language Models (LLM)
GitHub Copilot
Amazon Web Services (AWS)

Languages

English
Hindi

Certifications

Amazon Web Services Solutions
Architect - Associate
Oracle Certified Professional, Java
SE 6 Programmer

Honors-Awards

Excellence Performance awards
Q4-2012
Spot Appreciation 2013
Spot Appreciation
Emirates Appreciation Najm
DC-AI Hackthon

Bharat Singh

AWS Certified (2x) | GitHub Copilot Certified | Java Certified |
Terraform Certified | Spring Boot | Application Modernization |
Serverless Architectures | Microservices | Kubernetes | Python |
Machine Learning
Singapore, Singapore

Summary

I am a results-driven software engineer with over 13 years of experience in cloud technologies, application modernization, and full-stack development. Passionate about building scalable, high-quality solutions, I specialize in designing and deploying microservices architectures, architecting cloud infrastructure with AWS and Kubernetes, and developing robust applications using Java, Python, machine learning, AI, and modern frameworks.

I thrive in collaborative environments, working closely with cross-functional teams and clients to deliver innovative, end-to-end solutions. With a strong focus on code quality, security, and continuous improvement, I consistently deliver reliable, maintainable, and efficient software.

Curiosity and a passion for innovation drive me to explore emerging technologies and embrace challenging projects that push the boundaries of what's possible. Currently, I am expanding my expertise in artificial intelligence and machine learning to stay ahead of technological advancements.

Technical Skills

Languages: Java, Python, TypeScript
Frameworks: Spring, Spring Boot, Microservices, Hibernate, JPA
Machine Learning & AI: Keras, TensorFlow, OpenCV, CUDA, Flask
Frontend: Angular, JSF, JavaScript
Databases: Oracle, Couchbase, PL/SQL
Messaging/Streaming: Kafka, RabbitMQ, Spark
DevOps & Tools: Docker, Kubernetes, GPU/TPU, Maven, Git,
SourceTree, Terraform, Helm
Mapping Technologies: Esri Map

BigData Tech: Hive, Trino, Spark

Cloud Platforms: AWS

I excel in fast-paced, evolving environments and remain committed to delivering future-ready software solutions that create real business impact.

Experience

Standard Chartered

Lead Development

July 2023 - Present (2 years 4 months)

Singapore, Singapore

- Designed and developed comprehensive stress testing models to ensure system resilience and performance.
- Implemented scalable cloud solutions using AWS services, including EKS and ECS.
- Developed robust applications and automation scripts utilizing Java, Python, and Kotlin.
- Architected and set up cloud infrastructure on AWS to support enterprise workloads.
- Streamlined deployment processes by implementing one-click deployments with Kubernetes Helm.
- Designed and managed Kubernetes deployments, services, and jobs for efficient application orchestration.
- Proactively managed code quality and addressed security vulnerabilities to maintain high standards.

Hitachi Vantara

Senior Consultant 2

August 2021 - July 2023 (2 years)

Bangalore Urban, Karnataka, India

- Led application modernization initiatives and cloud deployments, focusing on scalable and secure solutions.
- Architected enterprise applications and designed microservices using Java, Python, and Docker.
- Ensured high code quality through best practices and rigorous reviews.

Key Projects:

SurePoint (Single Sign-On):

Developed a secure SSO module to streamline authentication for the SurePoint team.

Technologies: AWS, Spring Boot, Terraform, PostgreSQL, PingIdentity

BCQMx (BeyondCare Quality Monitor):

Contributed to an evidence-based quality control management system for monitoring analyzer health and accuracy in the healthcare domain (Sysmex).

Technologies: AWS (ECS, ECR, VPC, S3, Lambda, Kinesis, CloudFront, SQS), Microservices, Java 11, Python, PostgreSQL

Robosoft Technologies

Technical Lead

May 2020 - August 2021 (1 year 4 months)

Bengaluru, Karnataka, India

Flipkart on Robosoft Payroll

Domain: E-commerce

Project: Armstrong

Developed and maintained a subscription management platform enabling users to purchase bundled subscriptions with access to multiple applications.

Implemented features for automated renewals managed by Flipkart and ensured bundled services were offered at discounted prices.

Technical Skills:

Programming: Java, Groovy, Python

Frameworks: Spring Boot, Dropwizard, Google Guice

Database: MySQL

Cloud & DevOps: AWS, Kubernetes, Docker, Helm Charts (CI/CD)

TATWEER MIDDLE EAST AND AFRICA L.L.C

Full Stack Developer

June 2019 - March 2020 (10 months)

Abu Dhabi, United Arab Emirates

- Collaborated with clients to define project scope and requirements.
- Developed and optimized solutions for performance and scalability, including machine learning systems for distracted driver detection.
- Contributed to web development and smart system initiatives.
- Integrated ArcGIS mapping and geofencing capabilities.

- Conducted machine learning experiments and implemented computer vision solutions.

Technologies: Java, Angular, GIS, Python, MongoDB, Computer Vision, Machine Learning.

Emirates Group

4 years 6 months

Data Scientist

October 2017 - June 2019 (1 year 9 months)

Dubai, United Arab Emirates

Safeguard:

This is an NLP-based solution for group safety to auto-classify the safety incidents raised throughout the group worldwide. This solution helps the department auto-prioritize the incidents and saves AED 1.4 million annually.

Technology: Python, NLP, Pandas, Numpy, Tensorflow, flask, and Azure Cloud

Project: Group Materialization Forecasting

The general behaviour of group bookings is volatile. A group materialisation model will predict the expected materialisation rate on the reservations and will help influence the overbooking levels to avoid empty seats due to last-minute cancellations.

Technology: Python, Scikit-learn, Pandas, Numpy, Flask.

Full Stack Developer

January 2015 - September 2017 (2 years 9 months)

Dubai, United Arab Emirates

Technologies: Java, Spring Boot, Spring Data, Angular, Python, Oracle, Couchbase

Roles & Responsibilities:

- Participated in all phases of web application development, including requirements gathering, design, development, testing, performance tuning, and coordination between offshore and onsite teams.
- Led proof-of-concept (PoC) initiatives and delivered complex design solutions.
- Authored technical design documents and managed system integrations.

- Upgraded legacy projects to modern technologies, ensuring improved performance and maintainability.
- Managed build and deployment processes for staging and QA environments.

Project: Hub Monitor

Technologies: Java, Angular, Spring Boot, Oracle, JUnit

Developed Hub Monitor, a decision support system for the Network Control Department. The platform provides situational awareness, forecasting, and operational dashboards, enabling effective management of daily operations and proactive resolution of issues to enhance on-time aircraft performance.

Bureau Veritas Group

3 years 7 months

Senior Software Engineer

January 2013 - December 2014 (2 years)

Hong Kong, Hong Kong SAR

- Closely involved in the process of requirement gathering & clarifications with the business team. Performed impact analysis and conducted various POCs to confirm technical feasibility of requirements.
- Independently worked on complex design issues and provided solutions which was used across projects. Such as common components or services, Migration from Glassfish to JBoss for multiple applications, migrating old technology stack of projects (from JSF to HTML5, JQuery and Spring) etc.
- Worked towards building a strong team by being extensively involved in the process of new recruitment and mentoring team members.
- Involved in design and development across various projects involving web based technologies such as Java, Spring Boot, Hibernate, AngularJS, JSF, Ajax, and Oracle.

Software Engineer

June 2011 - December 2012 (1 year 7 months)

Noida Area, India

Roles& Responsibility :

Requirement gathering, analysis, design, coding, deployment and maintenance projects.

Worked on some project from scratch.

Client discussion.

Updating all the Mandatory Sheets to maintain the Process.

Implement new solution as per business needs.

Involved in Unit testing and Integration Testing.

Application : -

1) BVLABNG :-(Bureau Veritas Lab NG)

BVCPS core business is product testing. So for automate test lab, we have implemented this application. It holds product testing result information.

2) CDM :- (Client Directory Management)

CDM is a centralized CPS Client Management. it's storing data in Chinese(simplified), Korean, Vietnamese languages.

Tools& Technologies :- Java,Servlet, JSP, JQuery, JSF2.0, Oracle, Glassfish v2, JDBC, Maven, Netbean.

RoseIndia Technology

Software Engineer

July 2010 - May 2011 (11 months)

New Delhi, India

- Capture requirements for new solution as per business needs.
- Solve technical issues of business and also develop some module.
- Involved in Unit testing and Integration Testing.
- Responsible for Fixing bugs and maintenance of projects.
- Design, analysis and application development.
- Designed the logical and physical data module generates DDL Scripts and wrote DML script s for Oracle 10g database.

Education

Dr. A.P.J. Abdul Kalam Technical University

Master of Computer Applications - MCA, Computer Science · (2007 - 2010)

Kumaun University

Bachelor of Science - BS · (2004 - 2007)