

Prakash Sharma
Application Architect – Google Cloud Microservices
IBM India Private Limited
Nationality: Indian
Gender: Male
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Last 3 Employer:

1. IBM India as Associate IT Architect (Jan 2019 to till date)
2. Mindtree Limited as Module Lead (Sep 2018 – Jan 2019)
3. SoftDEL Systems as Sr. Software Engineer (Jun 2017 – Aug 2018)

Professional Summary:

- ❖ A professional 9+ Year of experience in JavaScript, Node.js, Cloud, Docker, Internet of Things (IoT), IIoT, Cloud, GCP Firestore, Firebase – Google Cloud Platform, AWS, Mocha, HTML5, CSS3, MongoDB and MySQL.
- ❖ Extensively worked on Cloud Application migration and multi-cloud orchestrator.
- ❖ Proof of concept on **BlockChain**, HyperLedger, Ethereum and BigChainDB.
- ❖ Intermediate knowledge on Python and Angular.
- ❖ Good understanding of sensors and real time sensor data monitoring with Cloud environment.
- ❖ Good understanding of **OOPs Concepts**.

Technologies	IoT, Cloud Microservices, NodeJS, JavaScript, Docker, Python
Database	MongoDB, MySQL, POSTGreSQL
Servers	Tomcat 7 (Apache), Openfire 3.8,
Framework	Spring Boot,
Operating System	Mac, Linux, Windows, Debian, Fedora, WindRiver
Repository	Git, Bitbucket, Gitlab, Jfrog

Key Deliverables: Product Owner, Technical System Analysis & Application Development

- ❖ Worked as a Product owner and Technical Business Analyst for Off-Shore development Team.
- ❖ Managed the product backlog and Sprint Planning.
- ❖ Drafting functional requirements for computer systems using models and diagrams to represent the processes and functions involved.
- ❖ Working out the new system's requirements & specifications and test strategies.
- ❖ Assisting in functional testing of the new system and ensuring that it meets the user specifications.
- ❖ Understanding the technical & functional specifications.

- ❖ Designing, developing, testing, troubleshooting and debugging of the applications.
- ❖ Managing smooth implementation and testing of the application.

Project Experience:

Project: Analytical Domain - Managed Services Application

Client: Leading European Banking Institute, Germany

Role: Technical Solution Consultant and Developer

Period: Oct 2019 to Present

Project Description: ADAMS team is responsible for standard & evaluative maintenance (small, medium and large) of the 21 ADA services along with the system integration and support. Currently, ADAMS team is engaged in application server migrations (Windows 2012 to Windows 2016)

Roles and Responsibilities:

- Responsible for Designing, Developing, Enhancing and Maintaining Web Applications.
 - Worked and coordinated along with the On-Shore team to ensure on time deliverables.
 - Performed branding/package and release deployment using DevOps including technical testing.
 - Creating and deploying the application packages in dev and test.
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Project: Multi Cloud Orchestrator

Client: Banking Institute, France

Role: Product Owner (Technical Business Analyst)

Period: Feb 2019 – Sep 2019

Project Description: The goal of this project is to achieve the first milestone towards the future Cloud Management Platform. It aims at achieving the migration of the current IT Cloud based on the IBM TSAM solution to the new cloud target based on a Multi-Cloud Orchestration framework.

The Multi-Cloud Orchestration solution is based on the following components:

- Technical orchestration: IBM Cloud Automation Manager (ICAM)
- Functional orchestration: IBM Business Process Manager (BPM)
- Policy Management: IBM Operational Decision Management (ODM)
- Micro Services and Data Model: Cloud Assets, Application Authorization, and Catalogs federation
- Operation of the solution: Administration Portal.

We have Developed OMC Gateway and Data Microservices (Ocsp-UserManagement for LDAP Directory, Ocsp-assetManagement, Ocsp- Catalogue, Ocsp-RequestManagement , Ocsp-Utils ,Ocsp-Database etc).

This component will expose the entire “user” API to be consumed by orchestrator’s clients such as the Open Cloud Service Portal, toolchain. Interface specifications of the existing TSAM API Gateway for the definition of the interface used by client (One Cloud Services Portal) and is evolving into the microservice based OMC Gateway.

Indeed, the OCSF is expected to integrate with OMC without requiring any new development or refactoring. As a direct consequence, the list of services and their interface of the TSAM

API Gateway will match exactly with the list of services and their interface of the OMC Gateway. Only the implementation of these services will differ according to the underlying solution. Each and every API exposed through the OMC Gateway will translate into a straight through call to either BPM (submit service request, aka start a business process), ODM (request a decision to be made for service request parameters), ICAM (request the service catalogue) or the Data Microservices (request data related information such as asset, portfolio....).

Role and Responsibility

- Worked as a Product owner and Technical Business Analyst for Off-Shore development Team.
- Managed the product backlog and Sprint Planning.
- Transform business requirement into Technical Analysis.
- Designing the upstream and downstream data flow.
- Co-ordination with On-Shore Architect, Product Owner for understanding technical challenges.
- Implemented Spring Security based on User access Role (LDAP concept).
- Provided various suggestions to Domain architect while designing the new architecture.
- Created build and deployment scripts using Maven, YML files and Cloud Foundry CLI.

Role: Technical Design and Development

Team Size: 25-30

Environment & Tools: IBM BPM (Business Process Automation), JAVA, Microservices, React, GIT, IBM ODM, Spring Boot, PostgreSQL

Project: IoT Cloud Application for Top US Based Electronic Switches Company.

Client: Semi-Conductor Company, US

Role: Developer

Project Description: Project is based on the Industrial IoT domain. In project, we have communicated with transcend server, PoE gateway and BACNet Gateway over **MQTT**, HTTP, COaP and BACNet protocol.

Roles & Responsibilities:

1. Device management with AWS-Cloud API's
2. API development for BecNet Protocol based Gateway
3. Designing the tool for building's sensor and floor design.
4. Designed pub-sub mechanism with MQTT broker.
5. Implemented Monitoring system to get the new data from PoE gateways.
6. Designed the Graph to handle millions of sensor data in browser UI

Tools & Environment: AWS-Cloud, NodeJs, JavaScript, Mongo DB, Git, Jenkins, Mocha, coverage Reports, BACNet, MQTT, COaP and HTTP Protocol.

Project: Banking Institute – Event Management App (Mindtree's Client).

We have designed a mobile application for the US banking institute to manage their internal events for their employees.

Role & Responsibilities: As a Backend Lead, I have designed and developed the data models and basic architecture and implemented the REST APIs

Tools & Environment: Google Firebase Cloud functions, Node.js, GIT, Mocha,

Project Title: Workpresso (Gemini Consulting Services, Hyderabad)

Description: Workpresso is the Time tracking system for internal office activities. In workpresso, we have Project Management, Team Management, and Timesheet for project member and team sheet approval flow etc.

Role: Project Lead, Company has given me opportunity to drive this team with 6 team members.

Tools & Environment: React Js, Redux, Nodejs Js, HTML, CSS, JavaScript, Mongoose, Mongo DB, jQuery, Source Tree, Git, and Atom.

Project Title: mVite (Gemini Consulting Services, Hyderabad)

Description: mVite is an event organizer. It's a in house product to make easy your day to day personal and business event. The product is available in three platforms, which are iOS, Android and WebApps.

Tools & Environment: React.Js, Nodejs Js, Jade (Html), CSS, JavaScript, Sequelize ORM, MySQL, jQuery, Source Tree, Git, Atom, Android, iOS

Project Title: QXMedics – Healthcare POC on Blockchain

Description: In the development progress of our health care project, we did the block chain poc for our product. Here we have developed a private cloud to share the patient information among the third-party vendors and to have the distributed record system.

Tools and Environment: Blockchain, HyperLedger, BigChainDB, NodeJs, NPM, Git , Jenkins .

Academic details

- ❖ Bachelor of Engineering in Computer Science Engineering from Gyan Ganga Institute of Technology with 69%.
- ❖ Diploma (Polytechnic) in Computer Science from Govt. Poly. College with 69%.
- ❖ SSC from Board of M.P with 77%.

Personal Details:

Father's Name	:	Mr. Kamta Prasad Sharma
Marital Status	:	Married
DOB	:	11/March/1991
PAN Number	:	DOWPS6577B
Passport	:	Yes