

# Gaurav Patil

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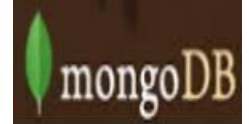
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## PROFESSIONAL ACHIEVEMENTS



Google  
Certified Professional  
Cloud Architect



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## PROFESIONAL DETAILS

- Around 12+ years of professional experience in IT industry using AWS Cloud, Infrastructure, Development and implementation of software applications.
- Expertise in design and development of web applications using JSP, JavaScript, HTML5, CSS3, JQUERY, AJAX, JSON, AWS, React Native, CI/CD, DevOps, RDS, EXPRESS.JS, ANGULARJS, NODE.JS, PostgreSQL, UI/UX design, MongoDB, Kubernetes, Angular.JS, bootstrap, .NET.
- Extensive experience in studying the existing infrastructure landscape, cloud product matching, and design cloud architecture, proof of concepts, design improvements and implementation of AWS Cloud Infrastructure recommending application migrations to public private cloud.
- Extensive AWS Experience including AWS Services such as EC2, VPC (NAT, VPC Peering and VPN), IAM (Identity and Access Management), Elastic Beanstalk, Lambda, S3, CloudFront, RDS, DynamoDB, Route53, CloudWatch, CloudTrail, CloudFormation, Security Groups etc.
- Extensive knowledge on Serverless architecture using AWS Lambda.
- Experience on Application Migration and Data Migration from On-Premise to AWS Cloud.
- Good Understanding of Google Cloud Platform and Microsoft Azure.
- Experience working with build and deployment tools using Jenkins and Bamboo.
- Hands on experience with best practices of Web Service development and Integration.
- Well versed with version control tools like GIT, SVN, and TFS and used them as a central repository to check-in the code where it held changes and called a Continuous Integration (CI) tool.
- Good knowledge and experience using Java, PHP, Swift and Python.
- Experience in Client-side design using JSP, HTML5, AWS, CI/CD, DevOps, RDS, Express.Js, AngularJS, Node.js, PostgreSQL, React Native, MongoDB, Kubernetes, CSS3 and validation using JavaScript technologies.
- Extensive working experience in Linux and Windows based systems.
- Good understanding with creating CloudFormation templates for quick, easy and rapid deployment of Infrastructure.
- Experience in all aspects of integration including application integration, cloud integration, big data ingestion, bulk and real time data integration between different systems, securing data in transit and rest.
- Excellent leadership and project management skills, including adept ability to perceive, develop and implement client objectives.
- Ability to articulate a unifying set of concepts that provide vision and direction.

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## EDUCATIONAL QUALIFICATION

### Academics

- Bachelor of mass comm.(2010-14) from Choitram college of profession studies, Indore, M.P. (DAVV) with 69.73%

- HSSC from Govt bhoj girls Higher Secondary School, Indore (M.P. Board) with 43.8%.
- HSC from new pithampur High School Indorama square Dhār, Indore (M.P. Board) with 48.83%.

## Certifications & Recognition

- Google cloud Certified Professional cloud Architect.
- Awarded with Master brain award In Tata consultancy services in 2014.
- Oracle Certified Professional, Java SE 6 Programmer.
- Published an international Research paper in IJCLNLP journal.
- Microsoft Technology Associate Database Administrator Fundamentals.
- IBM Certified Associate System Administrator Lotus Notes and Domino 8.
- IBM Certified Associate Developer Rational Application Developer for Web Sphere Software V6.0.
- M101J: MongoDB for Java Developers, MongoDB Inc.
- IBM Certified DB2 Academic Associate DB2 Database & Application Fundamentals.

## Technical Skills

Languages	JavaScript, React.JS/Redux, React Native, Node.js, Nodejs core PHP, Swift, Java, JavaScript, jQuery, Python, C++, Angular, HTML, CSS, XML/XST, UI/UX, .NET.
Databases	MySQL, MongoDB, Firebase, Amazon RDS, DynamoDB
Frameworks	Typescript, Node JS, Nodejs core
AWS	IAM (Identity and Access Management), S3, EC2, ELB (Elastic Load Balancer), EFS, EBS, AMI, CloudFront, CloudWatch, CloudTrail, Auto scaling, VPC, NAT, Route53, RDS, DynamoDB, Elastic Transcoder, Elastic Beanstalk, Rope works, SQS, SNS, SES, Lambda
Build and Deployment	Jenkins, Bamboo
Version Control Tools	SVN, Git, TFS
Web service	JSON, Restful

## Professional Experience

TheRapidHire (Pvt) Ltd: Indore, Madhya Pradesh

08/2019 -Present

### Project # 1

**Position** : Senior Solution Architect

**Project** : Tophat

**Skill sets** : EC2, VPC, ELB, Route53, S3, ReactJS, React Native, Redux, Node.js, AWS, CI/CD, DevOps, RDS, Express.Js, AngularJS, Node.js, PostgreSQL, MongoDB, Kubernetes, IAM, CloudFront, CloudTrail, SQS.

### Roles and Responsibilities:

- Designing and implementation of public and private facing websites on AWS Cloud.
- Migrating from On-Premise Infrastructure to AWS Cloud.
- Implemented REST API using Node.js core, Express.js.
- Developed user interface by using the React JS, React Native, Redux for SPA development.
- Involved in responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, AWS, CI/CD, DevOps, RDS, Express.Js, AngularJS, Node.js, PostgreSQL, MongoDB, Kubernetes, Tablets and mobile users using React JS.
- Integrating React's redux framework to scale and maintain the application better while handling large amounts of data.
- Used node.js as a proxy to interact with RESTful services and interacting with PostgreSQL Database.
- Used Mocha, Chai unit test framework to write unit tests for JavaScript code and Jest for the client-side unit testing.

- Configured and managed various AWS Services including EC2, RDS, VPC, AWS, CI/CD, DevOps, RDS, Express.js, PostgreSQL, MongoDB, Kubernetes, SQS, and SNS etc.
- Worked with AWS Discovery tool and architecture assessments providing critical data for migrating to AWS.
- Design, Implement and maintain all AWS Infrastructure and services within a managed service environment.
- Design, Deploy and maintain enterprise class security, network and systems management applications within an AWS Environment.
- Created Lambda functions to automate processes in the Cloud.
- Created design documents with the AWS Security best practices to be implemented within the team.
- Designed/Implemented Backup and Disaster recovery plans.
- Created CloudFormation templates to automate infrastructure deployment in different regions.
- Assigned Roles and Policies to Users, Security Groups by using Identity and Access Management (IAM).
- Created various performance metrics and configured notifications using CloudWatch and SNS.
- Configured the Elastic Load Balancers, AWS, CI/CD, DevOps, RDS, Express.js, AngularJS, Node.js, PostgreSQL, MongoDB, Kubernetes, Autoscaling Groups, Snapshots and AMI's to create highly fault tolerant and resilient environment.
- Identify, Manage and Communicate Issues and Risks to Senior Management.
- Created POC using AWS Code Commit, Code Pipeline and Code Deploy for Continuous Integration on AWS Infrastructure.

## **Project # 2**

**Project : EBBY**

**Skill sets : EC2, VPC, ELB, Route53, S3, ReactJS, React native, AWS, CI/CD, DevOps, RDS, Express.js, AngularJS, Node.js, PostgreSQL, MongoDB, Kubernetes, Redux, Axios, Node.js, EFS, SNS, CloudFormation, IAM, Auto Scaling Groups, RDS, DynamoDB, S3, IAM Roles.**

### **Roles and Responsibilities:**

- Designed, build and deployed applications utilizing AWS EC2, Route53, S3, RDS, DynamoDB, Lambda, SQS and IAM etc.
- Involved a full complement of Express.js, AWS, CI/CD, DevOps, RDS, EXPRESS.JS, ANGULARJS, NODE.JS, PostgreSQL, MongoDB, Kubernetes, Angular, Node.js and MongoDB to store and present assessments.
- Involved in making of efficient and fast application running using Node.js Non-blocking I/O.
- Created migration roadmaps for AWS Cloud, designed architecture model compliant Security Policies and Standards.
- Responsible for implementing UI mock-ups, integrating third party REACT libraries, and handling/creating redux store data.
- Developed Disaster Recovery Plan and Business Continuity Proposal Utilizing AWS Services.
- Designed and designed highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling groups, Elastic Load Balancers and AMIs.
- Defined AWS Security Groups and Access Control Lists (ACL's) which acted as virtual firewalls that controlled the traffic allowed to reach one more AWS EC2 Instances
- Created and configured VPN Tunnel for AWS, CI/CD, DevOps, RDS, PostgreSQL, MongoDB, Kubernetes, and VPC to communicate to corporate network.
- Provided potential technical workarounds or resolutions via integration in technical discussion, knowledge base articles and product documentations.
- Involved in creating and maintaining the infrastructure on AWS Cloud.

- Responsible for creating the IAM users, roles and policies for different AWS Users as per requirements.
- Create group policies using policy generator and set permissions based on the requirements.
- Setup the CloudWatch monitoring dashboards with SNS notification configurations on various performance metrics retrieved from various AWS Resources.

### **Project # 3**

**Project** : TBC

**Skill sets** : ReactJS, React Native, Redux, Axios, Node.js, AWS, CI/CD, DevOps, RDS, EXPRESS.JS, ANGULARJS, NODE.JS, PostgreSQL, MongoDB, Kubernetes, EC2, ELB, Route53, S3, EBS, EFS, CloudWatch, IAM, Auto Scaling Groups, RDS, S3.

#### **Roles and Responsibilities:**

- Design highly available, cost-effective infrastructure using Amazon Web Services such as EC2, Auto scaling Group, RDS and Route53.
- Created React JS components using JSX, Followed Redux Architecture for unidirectional data flow and manage your data in React and Make HTTP requests in React & Redux.
- Worked in using React JS components, Forms, Events, Keys, Router, and Animations.
- Developed React JS pages, Web services calls, and AJAX calls for the application.
- Worked on Fortify for finding security flaws in the code we build and fixed the security issues.
- Implemented REST API using Node.js, AWS, CI/CD, DevOps, RDS, Express.js, AngularJS, Node.js, PostgreSQL, React Native, MongoDB, Kubernetes, and Express.js.
- Used node.js as a proxy to interact with RESTful services and interacting with PostgreSQL Database.
- Wrote shell scripts for automating the tasks on EC2 instances.
- Created Policies, Roles and Used Accounts for team members providing proper permission as per requirement.
- Suggested and implemented various Cost-Optimization methodologies.
- Defined AWS Security Groups to prevent unwarranted access to AWS Resources.
- Created and Managed Reserved EC2 instances and RDS Resources.
- Configured Auto scaling groups and Elastic Load Balancer to scale with traffic.
- Created S3 buckets to store business objects and added bucket policies and permissions to restrict access to required users only.
- Assessed multiple solutions for a business opportunity (MDM) and recommended an optimal solution that was relevant and applicable for enabling the business to meet its strategic objectives (Single View of Customer).
- Implemented AS2 protocol for exchange of orders using AWS, CI/CD, DevOps, RDS, Express.js, AngularJS, Node.js, PostgreSQL, MongoDB, Kubernetes, IBM Data power.
- Provide thought leadership and technical direction by managing the design, development, installation, and operation of the integration solution.
- Collaborate with internal/external stakeholders to understand business goals and translate to architectural solutions. Socialized SOA COE with VPs to gain adoption of ESB.

### **Project # 4**

**Project** : GO-ON

**Skillsets** : Node.js, EFS, SNS, CloudFormation, IAM, Auto Scaling Groups, RDS, DynamoDB, S3, IAM Roles, NACL's, NAT Gateways, CloudFront, CloudTrail, SQS.

#### **Roles and Responsibilities:**

- Redesigned existing C#.NET code to highly scalable, low latency, loosely coupled solution to optimally book orders in slots for different radio stations or markets.

- Designed top-down driven canonical data model to support plug in play architecture. Migrated .NET WCF services to .NET core microservices using Docker containers.
- Used Azure Event Grid for messaging. Used Azure functions for server less computing.
- Use managed services from Azure cloud to stream orders from on-Prem booking systems and creating data feeds for vendor (Revenue Analytics).
- Used Event Hub for streaming, Azure functions to trigger web services when files were dropped on Blob Storage.
- Also built ODS and DW using Cosmos DB (NoSQL) and SQL Data warehouse using Azure Data Factory SSIS-IR in the solution stack.
- Evaluated Nonfunctional requirements (NFR) such as RTO, AWS, CI/CD, DevOps, RDS, EXPRESS.JS, ANGULARJS, NODE.JS, PostgreSQL, MongoDB, Kubernetes, RPO for DR, number of concurrent users, uptime to design solution.
- Used Azure Availability Sets for high availability and DR.
- Designed solution to provide member domain file feeds data from EEM/DM (mainframe) to downstream systems for conversion of SSN to HICN.
- Used cross walk to query table (IMI) in Mark logic. Documented design using IBM Rational System Architect.
- Designed SSO solution for agents to login to Pay flex using their existing credentials. Got design approved from security.
- Participated in reviewing and approving user stories using Scaled agile framework. Designed solution to sync account information in AEPAYS, ACAS (claim adjudication Platform) using web services.
- Designed solution for enabling e-delivery of documents through Navinet by providing PDF documents on member portal.
- Solution used Confidential (correspondence domain) for querying member PS and routing information accordingly to Filenet or Merrill (print vendor).

**Pantheon India Pvt. Ltd.**

**06/2012 – 07/2019**

#### **Project # 1**

**Position** : **Solutions Architect**

**Project** : D-code

**Skillsets** : ReactJS, React Native, Redux, Axios, Node.js AWS, CI/CD, DevOps, RDS, EXPRESS.JS, ANGULARJS, NODE.JS, PostgreSQL, MongoDB, Kubernetes, Tortoise SVN, GIT, Jenkins, Chef, Amazon Web Services including EC2, ELB, Auto scaling Groups, IAM, SNS, RDS, S3, CloudWatch, VPC, AWS SDK, Shell Scripts, Python Scripts, UNIX, Net.

#### **Roles and Responsibilities:**

- Involved in DevOps migration/automation processes for build and deployment.
- Develop solutions based on the designs that fulfil the documented requirements.
- Monitor the Testing/Production Environment for any down time and issues.
- Creating/Performing Cron job updates on servers.
- Setting up the SVN and GIT repos for Version Control and Jenkins build jobs.
- Designed and implemented scalable, secure cloud architecture on AWS.
- Build React components and stand-alone functions to be added to any future pages.
- Responsible for developing a front-end application using React JS and Redux architecture for internal team's productivity use.
- Develops the flux pattern by using redux framework as a core dependency.
- Worked on IAM to manage the users and groups using IAM by assigning policies and roles to each user as per requirements.

- Used CloudWatch and SNS for monitoring AWS Cloud resources and the application that were deployed on AWS by creating new alarm and enabling notifications.
- Implement a Continuous Delivery framework using Jenkins, CHEF in Linux Environment.
- Configured multiple cookbooks, recipes, templates and attributes on workstations to be deployed to various chef nodes.
- Create read replicas of AWS, CI/CD, DevOps, RDS, EXPRESS.JS, MongoDB, Kubernetes, RDS in multiple Availability Zone using backups and snapshots and scaling out based on requirements.
- Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancer for QA and UAT environments as well as infrastructure servers for GIT and Puppet

## Project # 2

**Project** : Sky-9

**Skillsets** : ReactJS, Redux, React Native, Axios, Node.js AWS, CI/CD, DevOps, RDS, Express.Js, AngularJS, Node.js, PostgreSQL, MongoDB, Kubernetes, Nodejs core, EC2, AMI, Auto Scaling Groups, ELB's, Snapshots, S3, Group Policies.

### Roles and Responsibilities:

- Worked on provisioning highly scalable infrastructure on AWS using AWS Console.
- Define AWS Security Groups; NACL's to control the allowed traffic.
- Included integration patterns to consume SOAP/REST web services using IBM APIC gateway. Designed solution and evaluated impact for modification to eligibility systems (Member domain) for implementing Joint Ventures (JV) partners.
- Participate in defining and validating mapping specs for eligibility feed. Design solution to exchange member eligibility data with Swift using EDI 834.
- Design solution to implemented smart routing of calls using rules in IBM ODM, exposed as webservices.
- Designed solution for Informatics teams to build HIPAA 834 from data lake using data fabric. Got design approved from Enterprise Architecture Group (EAG), Integration board, Infrastructure & Security board.
- Good Experience in React.js for creating interactive UI's using One-way data flow, Virtual DOM, JSX, React Native concepts.
- Familiar with creating Custom Reusable React Components Library.
- Create Volume Snapshots and created AMI.
- Create IAM Roles to allow EC2 Instances to access S3 buckets.
- Created CRON jobs to back up to S3.
- Configure S3 Versioning and Lifecycle policies to back up files and optimize cost.
- Create and configured CloudFront distribution to help accelerate the web and assets delivery using CDN caching.
- Oversee solution architecture for supplier- consumer analytics project using Tabaco Spitfire, AWS, CI/CD, DevOps, RDS, Express.Js, AngularJS, Node.js, PostgreSQL, MongoDB, Kubernetes, DB2 warehouse. Implemented federated identity solution using SAML 2.0 tokens.
- Designed solution using mobility architecture, which included authorization using Confidential 2.0 JSON Web Token (JWT), SAML for REST API.
- Included integration patterns for API to consume SOAP web services.
- Redesigned POS Architecture built on IBM SurePOS, IBM 4690 OS and powered by SAP to enable "site to store" by enabling bidirectional information flow between POS, WMB, SAP and WMS.
- Revamped IT system architecture for Photo Print line of business in stores. Implement strategy for building single view of customer and integrating it with CRM. Used IBM IIB for integration.

### **Project # 3**

**Project** : SISCO

**Skillsets** : Java, JSP, Rational ClearCase, Rational Software Architect, AWS, CI/CD, DevOps, RDS, EXPRESS.JS, NODE.JS, PostgreSQL, MongoDB, Kubernetes, Microsoft Visio, REST/API, RDBMS, HTML UI, CSS and JavaScript.

#### **Roles and Responsibilities:**

- Worked with the project sponsors to gather requirements and generated use cases, Functional requirement document. Developed detailed project estimates and project plan for integration component development.
- Coding Session, Web services interfaces and WSDL generation to expose business services in the application. Implemented the, AWS, CI/CD, DevOps, Git, Kubernetes, and SOA Software as Service and data as service for issue search, issue creation and issue details manager using SOAP Web Services.
- Design and Implemented the Web Services to process Highly Configuration validation Framework using REST methodologies and Design, Configured and Implemented the Oracle Service Bus.
- Design and Implemented the Web Services to process Highly Configuration validation Framework using REST methodologies and Design, Configured and Implemented the Oracle Service Bus.
- Create functional specification, use cases, test cases and technical design documents SDD, TDD, test plans and site deployment plan.
- Managed and mentored the offshore and onsite team on the application development activity.
- Excellent problem-solving skills, providing vendor agnostic solutions, and then providing vendor oversight to drive the solution implementation.
- Instrumental in defining IT strategy, roadmaps / blueprints, architecture for Fortune 7 Company. Author white papers and provide thought leadership by publishing point of views for emerging topics such as next gen ESB, modern data architecture, reactive microservices, graph databases, and next gen data hubs.
- Excellent leadership and project management skills, including adept ability to perceive, develop and implement client objectives.
- Ability to articulate a unifying set of concepts that provide vision and direction for delivery teams with attention to detail. Passion for learning and coaching teams on technology

### **Project # 4**

**Project** : MODATA

**Skillsets** : Redux, Axios, Node.js, EFS, SNS, CloudFormation, IAM, Auto Scaling Groups, RDS, DynamoDB, S3, IAM Roles, NACL's, NAT Gateways, CloudFront, CloudTrail, SQS.

#### **Roles and Responsibilities:**

- Create solution intent artifact for migration from 3rd party IVR (Skygen) to in house Omni IVR (Genysis Voice Platform) for dental Medicaid services.
- Presented multiple options with pros and cons to team.
- Created high-level conceptual and logical design in Visio and Sparx Enterprise Architect (EA).
- Designed microservices and deployed on JBoss OpenShift containers.
- Used Kubernetes for container orchestration and JWT for Confidential.
- Collaborate with Enterprise Architect and other domain solution architects for consolidation of multiple vision platforms such as Eye Manager (EM), Vision Admin Services (VAS), and Dental Facets into one One Vision platform and deliver conceptual design of One Vision platform.
- Evaluated alignment with Polaris/Cirrus, Confidential Integration Layer (OIL), AWS, CI/CD, DevOps,

Git, Kubernetes, Portal alignment with Confidential Adaptive Portal (OAP).

- Designed solution with sequence diagram for migrating vision providers to Confidential ID. Performed “AS IS” state analysis and created integration catalogue to identify and validate all integration touch points. Identify test only systems for regression testing.
- Participated in JAD sessions to review functional and non-functional requirements. Assisted in migration plan to decommission old platform. Worked closely with Project manager to assist in project plan and estimates.
- Updated templates and guidelines as part of maintaining technical and business documentation. Implement strategy for building single view of customer (MDM) and integrating it with SAP CRM.
- Used BizTalk for integration and exposed orchestration as web service.
- Integration of BizTalk with SAP ERP using iDoc.

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**Declaration: -**

I hereby declare that the information given above is true and up to the best of my knowledge and belief.

**[Gaurav Patil]**