Vineet Kachhawaha
Cloud Team Lead and ML Engineer

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Profile

Result Driven Cloud Solution Architect and Machine Learning Engineer with over 12 years of industry experience.
Expert in building scalable software systems using **Microservices, Even based architecture and CI/CD**.
Skilled in creating and integrating **Machine Learning models** into applications. Ability to deliver rapid systems by practicing **Lean and Agile methodologies**.

- **12 years of experience in web development** using Java, Node.js, Spring, EJB, Webservices, Cloud, Database and large code bases
- Experienced in curating data, performing exploratory analysis, **building and deploying machine learning models**
- **Expert in Microservice** based software development using SpringBoot, REST, Loopback, MongoDB, **AWS**, PCF, **GCP, Azure** and CI/CD and **improvised legacy application to fit cloud platform**.
- Gained **customer service skills** by interacting and resolving business issues by providing solutions in 2-hour SLA period.

Experience

Deloitte DSpace Lab – Canada – Manager | Innovation & Cloud
March 19 – Present

Tools – Node.js, Vue.js, Swift, React, Python, Docker, GCP, Azure, AWS, Neo4j, Nginx, AutoML, Scikit-learn, Flask, TensorFlow, Spacy, Bert, PyTorch

Geotab Reseller Dashboard – Create a Geotab resellers portal to improve the sales process for potential customers using data driven technologies
- Lead a team of 2 to understand the problem of the client and come up with solution space to solve problem
- Explore different telematics dataset to come up with different UseCase and Metrics in GCP Big Query Ecosystem

Epiphron-Endgame – Active Learning ML Pipeline - Accelerate confidential document labelling using machine learning to accelerate the training of AI applications for tax
- Lead a team of 3 to build a scalable Active Learning ML Pipeline for document labeling on Azure Type2 secure environment.
- Evaluate different NLP techniques to be used on the project and build a scalable data labeling app using various stack (Neo4j, Serverless, Nginx, Containerized, MLOps)

Language Translation – A Chrome plugin that lets the user to translate page in their preferred language runtime without changing the content management system
- Build a chrome plugin and use the Machine Translation service from GCP, Azure and AWS.
- Perform the user testing to evaluate which Service is better.

SeeFood – An IOS app to help customers with their meal planning and grocery shopping experience.
- Lead a team of 3 to build the IOS App by planning, executing and implementing the project.
- Use GCP features to showcase the GCP capability (AutoML, Vision AI, Dialog Flow, Firebase ML kit, Firebase Text recognition, Kubernetes)
- Modular Design using Microservice Architecture and integration with various third part tools/APIs (Walmart Open API, Scrap Instagram post, Recipes API)

Manulife Financial (Core Engineering and Architecture) - Full Stack Lead
May 16 – Feb 19

Tools – Java, Node.js, React, AEM, Docker, PCF, WebSphere Portal v6 - 9, Web Content Management, graphQL, SpringBoot, Loopback API, Jenkins, Concourse, CI/CD, Rest, SOAP, jFrog, Security Scanning, Salesforce, WebSeal, MongoDB, Cosmos DB, DB2, Search Crawler, SAML, SSO

Projects – Repsource Advisor Portal, Manulife.ca, GBI (Goal based Investment), AEM Governance model, DevOps

Responsibility -
- Working with the team in defining governance model around AEM (Adobe experience Manager 6.3 and 6.4) for various different Manulife Websites
- Lead a team of 6-10 on various different project.
- Design and Implementing headless CMS (Content Fragment)
- Design and developing global component and templates
- POC and Design Patterns (AEM SPA)
- Design, Develop and Architect Websites in Digital solutions using Agile based cutting-edge technology (Loopback, Node.js Assembler, Salesforce, Jira, Confluence, Bit Bucket, GitLab etc.)
- Work with Front end team for UI interface and framework (React, Bootstrap, AngularJS)
- Defining JSON Schema for smooth integration between Front end and back end.
- Design and developed Integrator to split GBI application into a set of smaller, interconnected services instead of building a single monolithic application
- Development/Architecture of Micro Services using Loopback API with MongoDB as a backend database.
- Planning DR process across Data Center
- WebSphere Portal (v6.1.5 – V 8.5) – Consultant across Manulife digital solutions
- Repsource migration to Portal 8.5 – Technical consultant and Solutions architect

Partho Technologies - Lead MobileFirst, WCM & Portal Developer
Sept 15 – May 16

Tools – Java, Spring, MobileFirst, WebSphere Portal, WebSphere Application Server

Projects – MobiGov, MobInspect, Markham.ca

Responsibility -
- Designed and developed back end service for the client
- Designed and developed Client code using jQuery mobile, angular.js for difference modules.
- Implement Analytics for the mobile app.
- Design and development of adaptors to connect to backend service for the MobiGov
- Worked on the CSS, JS code, code build and deployment
- Integrate the WebSphere Portal with the IBM Connections using DDC and Connection portlet.
- Implement DDC for one of the modules as part of POC
- Integrated the Salesforce Chatter in the WebSphere Portal

IBM India and Canada - Lead WebSphere Portal / IBM WCM
May 09 – Sept 15

Tools – Java, Angular, WebSphere Portal, WebContent Management, WebSphere Application Server, Tomcat, WebSeal, SSO, SAML

Projects – RBC Online Banking, BNP Paribas, Manulife

Responsibility -
- 8.0 and 8.5 WebSphere Portal administration
- WebSphere Portal Migration from 6.1.5 to 8.0

- Application migration, design and developed new modular Theme.
- Performance tuning, WebSeal configuration, DB configuration, LDAP configuration etc.
- Implemented new features available in Portal 8.5
- Worked as a WebSphere Portal team lead for the GD Team from onshore, I was involved in the design, architect and development of the Manulife.ca, manulifebank.ca and GRS micro sites
- Design, architect and development of any enhancement in the application
- Provided AMS support to existing application, coordinated with offshore team, prepared weekly and monthly status report.
- Estimation, design, coding and warranty support to any new Project.
- Managed the release like creating any action file for Application server, SQL file for database changes and coordinate and consulting the Admin team in the deployment
- Introduced the value-add (type Ahead search functionality, WCMSupport tool for generating content report) in the projects

Mahindra Satyam - Software Engineer
Feb 07 – May 09

Tools – Java, Struts, jQuery, WebSphere Portal, WebContent Management, WebSphere Application Server, Apache Tomcat
Projects – GE Money, Reliance Life Insurance, New York Stock Exchange

System experience

- **Languages**: Java, Python, JavaScript
- **Cloud Platforms**: AWS, PCF, GCP, Azure, Bluemix
- **Big Data Tools**: GCP DataLake
- **ML Libraries:** Scikit learn, TensorFlow, NLTK, SpaCy
  Frameworks: React, Node, Loopback API, Spring,
- SpringBoot, EJB, WebSphere, WebSeal, Adobe AEM, Flask, Elasticsearch, Logstash, Kibana, Serverless, Kafka, Nifi, Salesforce integration, SAML, SSO
- **Container**: Docker

- **Databases**: Oracle 11g, DB2, MySQL, Firebase, MongoDB, CosmosDB, Neo4j, Redis
- **Build Tools**: Ant, Maven and Gradle
- **Version Control:** Git, Subversion, CVS
- **CI/CD**: Jenkins, Concourse, TeamCity
- **Webservices**: SOAP, REST
- **Management Tools**: Jira, Trello, Confluence
- **Application Server**: WebSphere Application Server

Education

Post Graduate Diploma in Advanced Computing, CDAC Noida	*May 06 – Feb 07*
Bachelor of Engineering (Information and Technology), Rajasthan University	*Aug 02 – May 06*

Certifications

- AWS Certified Solutions Architect – Associate (Validation Number BBCTXEYCMMF1QGS4)
- Neo4j Certified Professional (License number: 16920388)
- WebSphere Portal 7.0