JUNIE DIZON BONIFACIO

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CAREER ACCOMPLISHMENTS

- A Cloud Solutions Architect with over six years of building cloud solutions in AWS for multinational organizations.
- Over 18 years of solid and extensive Software Engineering experience spanning multiple industries and enterprises.
- Some of my proudest accomplishments, modernizing applications on the Cloud and On-Premise include:
  - Building the AWS Cloud Infrastructure for a mission critical system in the Equities space across 7 markets which power an average of 15,000 daily buy/sell orders.
  - Delivering a Modernized Serverless Back-end for a public sector agency mobile application that provided 1500 employees real-time updates on office occupancy.
  - Developing a Facilities Management System for a Telecommunications company that brought efficiency in managing inventory of equipment in less than ~6 months.

TECHNICAL SKILLS

- **Cloud Platform/Services:** AWS, Amazon Lambda, API Gateway, CloudFront, DynamoDB, RDS, CloudFormation, AWS Secrets Manager, AWS Step Functions, CloudWatch, EC2, S3, SQS, SNS, AWS EKS, ECR, Route53, Pivotal Cloud Foundry
- **Container Orchestration:** Kubernetes (Amazon EKS)
- **Distributed Stream Processing:** Amazon MSK (Amazon Managed Streaming for Apache Kafka)
- **Chaos Engineering:** Litmus Chaos
- **Observability Tools:** Splunk, AppDynamics, Prometheus, Amazon CloudWatch
- **Technology and Tools:** Java 1.8, Spring Boot, Spring IOC, Spring Data, Spring MVC, Spring Core, Microservices, Web Services, REST, Docker, Ehcache, JPA, JUnit, EasyMock, SQL, XML, JSON, WinSCP, Putty, SFTP, Python, Node.js
- **IDE:** IntelliJ, Eclipse, VSCode
- **Database:** PostgreSQL, Oracle
- **Development Tools:** Maven, Jenkins, Bamboo, Docker, PMD, Checkstyle, Findbugs, SonarQube
- **Versioning Tools:** Git, Tortoise SVN, Bitbucket
- **Project Methodologies:** Agile, Waterfall
- **Operating Systems:** Linux, Windows

TECHNICAL PROJECT SUMMARY

HCLTech (Feb 2021 - Present)

Cloud Architect   May 2021 – Present

HCLTech is a global digital, engineering, cloud, and AI organization with over 220,000 employees across 60 countries. The company has over 10,000 clients across the globe, 60 innovation labs and over 210 delivery centers. The company is considered a top employer in 17 countries and annual revenue exceeds US$11B.

- Instrumental in the cloud modernization and enhancement of a customer's suite of legacy supply chain applications that improved quality and high availability of several critical systems across the organization.
- Modernized a banking customer's Regional Order Management System project using AWS Cloud. Designed and implemented the AWS Cloud infrastructure that significantly fulfilled digital transformational needs for 7 markets.
- Performed hands-on development of Infrastructure-As-Code, and hands-on provisioning of AWS Cloud infrastructure from ground up across environments (DEV/SIT, UAT, and planning and implementation until PROD).
- Instrumental in the Amazon EKS, Kubernetes Cluster creation and setup from scratch for the different tenants/segments of the business.
- Created, integrated, and consumed CI/CD Pipelines – Amazon MSK / Kafka, Amazon EKS/Kubernetes, Amazon ECR, Amazon RDS, SNS, Lambda, Route53 that fulfilled significant business requirements.
- Performed hands-on Chaos Engineering on Java Microservices deployed on AWS Cloud, Kubernetes / Amazon EKS, that identified application design improvements required based upon chaos engineering results.
- Designed and developed a reusable alert framework using CloudWatch, Lambda function, and SNS that significantly increased observability of the stack, which became the basis implementation for all system alerts.
- Handled critical AWS related security activities: routine Amazon EKS AMI Refresh, RDS Snapshot creation and EKS Cluster Upgrades
- Integrated and established network traffic firewall rules to connect AWS Cloud and On-Premises components.
- Perform AWS Disaster Recovery activities: application impact analysis, environment setup, to support the bank-wide

AWS Cloud disaster recovery drill activities and the AWS Public Cloud DR AZ failure simulation.
- Awarded by a customer with Peer Recognition Certificate of Achievement – "Above & Beyond" Award for outstanding performance by personal willingness to go the extra mile to help others beyond the call of duty.
- Conducted AWS Cloud and DevOps training to new team members.

Project: Confidential AWS Serverless App – Confidential Client   Feb 2021 – May 2021
- Instrumental in successful digital transformation, moving from pre-sales solutions architecting, idea generation to implementation within less than three months, during the pandemic.
- Designed the Java and AWS Cloud Architecture, translating functional requirements into application design, and implement the application design into application code. Identified the core AWS services to address the requirements embracing serverless back-end and Java as the tech stack and architecture. The project's technical stack involved AWS Cloud, Serverless Framework, API Gateway, AWS Lambda, DynamoDB, Amazon S3, Amazon SQS, KMS components/services, HttpClient, Java/J2EE.
- Performed hands-on development, implementation of code logic, data modeling, system integration as well as leading the practical aspects of software development flow in the context of the team and understanding important trade-offs in software architecture concerns such as modularity, coupling, and component reusability.
- Incorporate AWS Well-Architected, Serverless Computing Best Practices, and Java Software Development Best Practices in all areas applicable.
- Ensured code review is done. Provided strong leadership on code reviews / pull request reviews and enabling maturity and maintaining awareness of team members of coding best practices. Promoting positive collaboration, knowledge spread, and reduction of code defects.
- Received appreciations from the client for solving the Java AWS Lambda cold start issues encountered for the Java language backed Lamba functions as per design.
- Despite a challenging timeline, the AWS Serverless-backed Mobile app was successfully deployed into Production on May 2021 with no issues, garnering accolades from the customer.

Randstad Pte Limited (Feb 2020 – Feb 2021)
Role: Technical Consultant
Project: Facilities Management System   May 2020 – Feb 2021
- Instrumental in hands-on development of critical business functionalities using AWS Cloud, Java Microservices and AWS Lambda/Serverless back-end API's hosted in AWS Cloud. Instrumental in the implementation of several API core business logic, SAML 2.0, JWT (access and refresh token), setup and creation from scratch of Amazon CloudFront origin and behavior, API Gateway Usage Plan, AWS Lambda environment variables and serverless configurations. Instrumental in the ETag Implementation (conditional GET) and performing data modeling for the application's PostgreSQL database and DynamoDB.
- Performed setup of CI/CD pipelines, provided leadership on Secure Coding Best Practices.
- Implemented a successful Git Branching Model used the feature team from development to production which resulted in high developer productivity and minimized source code management errors.
- Provided strong leadership on code / pull request reviews and increasing team maturity on best practice and static code analysis.

Project: Unified Number Management System   Feb 2020 – May 2020
- Implemented a Spring Boot Microservice hosted on AWS Cloud performing validation and search functionalities on Amazon DynamoDB.
- Implemented a scheduled report stored in Amazon S3 for the mobile number management system sent via email to the business users. The functionality is backed by several AWS Lambda functions written in Java and orchestrated through AWS Step Functions and triggered by CloudWatch scheduler, incorporating the Strategy design pattern.

RCG Global Services (Jul 2017 – Feb 2020)
Role: Lead Java Software Engineer
Project: Lodging – Disney Parks, Experiences, and Products, Orlando FL   Jul 2017 – Feb 2020
- Developed Java applications, Spring Microservices for the suite of Disney lodging applications and services.
- Instrumental in Disney's success in performing AWS Cloud Lift & Shift of microservices from on-prem to AWS.
- Instrumental in the platform health improvement and proactive use of observability tools such as Splunk and AppDynamics for developing Splunk alerts to proactively pinpoint Production issues prior to becoming live issues.
- Undertaken research and POC development on new XebiaXL DevOps/CICD tools, and presenting the significant advantages and innovation brought by automation to get the buy-in of the Disney Management.

TELUS International (Feb 2015 – July 2017)
Role: Lead Java Software Engineer
Project: Enhanced Data - TELUS Communications   Feb 2015 – Jul 2017
- Developed solutions and software components and for purpose-built products.
- Reduced time to create user profiles by 75% by developing a custom Spring Web MVC application.
- Received the Java Subject Matter Expert 'SME Awardee of 2016' this December 2016.

uPraxis Global Ltd (Feb 2014 – Feb 2015)
Role: Solutions Architect / Java Integration Developer (Java/J2EE)
Project: Payroll Solutions   Feb 2014 – Feb 2015
- Developed several Java application system Data Access and Business Layer components.
- Instrumental in the optimization of all components in Java, AngularJS, JavaScript, MongoDB and the whole stack.
- Provisioned and configured cloud instances and infrastructure on Google Cloud (Google Compute Engine), including CentOS Linux infrastructure setup. Performed shell scripting and automation of repetitive tasks in Linux.
- Instrumental in leading the company's successful penetration testing project on all products which uncovered severe and critical security vulnerabilities of the company's Java applications on the cloud. Planned for urgent remediations.
- Performed strategic comparison of cloud hosting providers i.e. AWS, Google Compute Engine, Rackspace, and R&D of DevOps tools such as Chef, New Relic, etc.
- Managed administrator access to Google, GoDaddy, One.com for managing DNS, MX records, TXT, records, for the whole company.
- Created a successful Git Branching Model for the start-up company, which resulted in high developer productivity and minimized source code management errors.

Deutsche Bank Group (Apr 2009 – Jan 2014)
Role: Java Integration Developer (Java/J2EE)
Project: Business Process Management   Apr 2009 – Jan 2014
- Developed several Java web services for the management information and financial reporting workstreams using XML, Java Web Services, and BPM technologies.
- Developed web services for integrated workflows that validate excel templates through defined business rules.
- Developed reusable Java web services for searching and information retrieval and configurable business reports.
- Promoted to Senior Associate in June 2011. Received an 'Award of Quarterly Circle of Merit' on the dedication shown in meeting the project objectives despite the challenging and tight deadlines.

Accenture (Apr 2006 – Apr 2009)
Role: Software Engineer (Java/J2EE)
Project: Confidential Pharmaceutical Client Procurement System   Apr 2006 – Apr 2009
- Developed several Java application components for a client's electronic procurement application.
- Performed lead and client facing activities directly interacting with Business Owners, Technical Application Owner, Client Management, and the users of the application in resolving Production Issues.

PROFESSIONAL CERTIFICATIONS

AWS Certified AI Practitioner Early Adopter Issued: Oct 2024	*Amazon Web Services (AWS)*
Kubernetes and Cloud Native Associate Issued: Dec 2021	*The Linux Foundation*
AWS Certified Developer – Associate Issued: Nov 2021	*Amazon Web Services (AWS)*
AWS Certified Solutions Architect – Associate Issued: Jan 2021	*Amazon Web Services (AWS)*
Splunk Core Certified Power User Issued: Nov 2020	*Splunk, Inc*
Professional Scrum Master I Issued: Jul 2018	*Scrum.org*
Sun Certified Programmer for the Java 2 Platform Standard Edition 5.0 Issued: May 2008	*Sun Microsystems*

EDUCATION

University of the Philippines
Master's Degree: Master of Technology Management
University of Baguio
Bachelor of Science in Electronics & Communication Engineering