

AlphaZetta's Partnership with Volt



- Sydney based startup Neobank
- First to market with a full new banking license certified by APRA (regulator)
- Bank is built fully digital and around data and AI as a competitive advantage

AlphaZetta's Role

- Core partner for all data and analytics
- Developed analytics technology architecture and roadmap
- Advised on data ethics strategy
- Provided compliance and regulatory reporting
- Consulted on risk strategy and analytics design.
- Designed data driven business applications and capabilities
- Provided talent cloud for resourcing on a variable basis to enable access (scale up/down) to expert resources
- Offshore application development, data analysis and Salesforce development capability, integrated to the Volt team
- Assist Volt with recruitment, upskill and cross skill of the team

Outcome

- Volt has on-demand access to an expert pool of global analytics consultants to develop world class analytics in a model that matches the needs of a dynamic start-up
- Delivered at a fraction of the cost of developing a full in-house team



Volt offshore resources AlphaZetta Philippines

July 2022

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The Volt Team in the Philippines

Volt Bank engaged AlphaZetta's technical managed services resources in the Philippines from December 2018, accessing a world-class talent pool and excellent cost advantage.

In a proven and efficient model, 4 main services with offshore leads, worked closely with onshore leads in Australia.

An outline of the team with highlights of their skills and tasks at Volt follows. Guide rates can be found at the end of the deck and detailed resumes are available on request



Java Engineering

Three resources:

BSc Information Technology 2013

BSc Electronics Engineering Cum Laude 2006

BSc Computer Science 2013

Languages/Technologies

Java, Kotlin, Groovy, JavaScript, SQL, HTML, XML

Frameworks/Platforms

J2EE, Spring Boot, Spring, Spring Batch, Spring DataJPA, Hibernate, Quartz, Spock, Kafka, Swagger, Apigee, Movelt

Development Environment

IntelliJ, Datagrip, Eclipse, NetBeans, SQL

Developer, Azure Data Studio, MySQL Workbench, Visual Studio Code

Containerisation

Microservices, Kubernetes, Openshift, Docker

Building/Automation Tools

Azure DevOps, Maven, Gradle, Bazel, Ant, Jenkins, IBMuDeploy

Testing Tools

Postman, Advanced Rest Client, SoapUI, Newman

Java Engineering II

Monitoring Tools

Splunk, Kibana, Datadog, Grafana

Code Repositories

GIT, SVN, TFS, Bitbucket/Stash

Database/Storage:

Microsoft SQL, Oracle, MySQL, Aurora
(PostgreSQL), Amazon S3

SSH Tools

Putty, MobaXterm, mRemoteNG

Operating System

Windows, macOS, Linux

Application Servers

Apache Tomcat, Oracle WebLogic Server

SDLC

Agile, JIRA, Confluence, Azure DevOps, Waterfall

Other tools

InstallAnywhere, Cavaj

Example Previous Engagements



Java Engineering III

Typical Volt assignments

Build a BaaS(Banking as a Service) API Platform to facilitate payment capability including Direct Entry, BPay, and NPP.

Delivered multiple features with cross-team collaboration and maintenance of multiple microservices with competing priorities.

Working with solution architects, business analysts, and multiple stakeholders in designing APIs which involves integrating with multiple vendor systems

Test, maintain and recommend software improvements to ensure strong functionality and optimization

Open-banking Compliance

Built the bank's open-banking APIs as per AU's CDR Standards

Mobile App Adaptor

Built a microservice that will bridge the mobile-app as the client and other platform APIs. Initially use to onboard a different partner data into the mobile app's own system. Latter iterations, acting as a pass-through for the mobile-app to the backend downstream APIs

Lending Integration

Upon Volt's acquisition of AMM (a lending product), integrating the flows of the existing deposit APIs – designed a library that will integrate miscellaneous core-banking systems (that initially go around the existing one and integrating the newly acquired one) with the flexibility of introducing future core-banking systems. Created new APIs that allows the introduction of lending data into Volt's system

Data Analytics

Tools and Tech

Microsoft BI - SSIS, SSRS, SSAS

Programming/Scripting Languages -

SQL Server/T-SQL, C#, PowerShell, BAML, XML, MySQL, DAX, VB, Batch

Reporting - SSRS, PowerBi, InsightR18

ETL Tools - Visual Studio, Azure Data Factory

File Transfer - MOVEit, FileZilla, WinSCP

File Encrypt/Decrypt - Kleopatra

Cloud - Microsoft Azure

DevOps - Jenkins, Nexus

Version Control - GIT, TFS

Support - Victor-Ops, Redgate

Ticketing - SharePoint, JIRA, RTC, ServiceNow

Two resources

BSc Information Technology 2015

BSc Marine Sciences 2008



teradata.

accenture

Ladbrokes

Data Analytics II

Duties

Build metadata driven ETL processes, to load data from multiple source systems into datawarehouse.

Build SSRS and InsightR18 reports for Banking Finance and Operations.

Build PowerBI reports for Exco including datasets and dataflow. Supported all items involved in PowerBI such as refresh failures and environment setup.

Write scripts for Ad Hoc query requests based on different business requirements.

Build outbound custom logic file processes extracted from datawarehouse and sent to destinations preferred by business users such as FTP server/cloud storage account/fileshare.

Supported, performed investigations, and resolved Production issues.

Preparing, reviewing, and approving deployment packages as release manager.

Developed process improvements on existing ETLs.

Requirements gathering

Power BI Reporting

Highly skilled in:

Microsoft Power BI
Data Visualization
Business Intelligence Tools
Data Modeling
Data Analysis
DAX
Power Query
SQL Server
Process Flow Analysis
Six Sigma

One resource:

BSc Electronics and Communications
Engineering 2009



Centuria



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Power BI Reporting II

Duties:

- Lead the development of Volt's Power BI reporting layer and contribute to the Volt Data Warehouse, ETL pipeline, table structures and view development
- Maintain up to date knowledge of trends, issues, changes and current and emerging technologies in the market bringing industry expertise to the context of Volt Bank and ensuring that Volt is on top of application best practices
- Collaborate closely with cross-functional teams to define business, user, technical and product requirements and deliver high-quality and high-performing experiences to Volt customers
- Undertake appropriate testing, utilising suitable tools for diagnosing and rectifying
- issues, to ensure all IT applications operate to the designed level of performance and functionality
- Ensure solutions developed are scalable, extensible and maintainable x Meet deadlines and adapt to changes in direction without compromising on quality
- Collaborate with business users and designers to design innovative and forward-thinking solutions
- Write secure, maintainable and testable, production ready code in a clean and consistent format
- Implement and contribute to the UX and UI of Power BI reports

Cloud Infrastructure Engineering

Tools and Tech

Big Data

- Hortonworks Data Platform

Cloud Computing / Virtualization/Containerization

- Kubernetes
- Docker
- Azure
- AWS
- OpenStack Cloud Computing.
- Proxmox
- Xen
- Linux KVM
- Qemu

Web Servers

- Apache
- Nginx

Database

- MySQL
- PostgreSQL
- Azure SQL

Deployment Automation/Orchestration

- Azure DevOps
- Ansible
- Gitlab/GitHub
- Terraform

Network Services

- Azure VNET
- Squid
- OpenLDAP
- DHCP
- DNS

Two resources:

BSc Computer Engineering Technology 2012
3 x BSc Engineering (various) 2001 - 2008

Cloud Infrastructure Engineering II

Duties

Administration, maintenance and evolution of systems and networks.

Designs and builds highly available cloud infrastructure systems running in Azure, Docker and Kubernetes Cluster.

Maintain, troubleshoot and administer Cloud servers and systems.

Responsible for implementing innovation for the infrastructure.

Automate deployment using scripting tools such as Azure DevOps, Terraform, Bash and Ansible.

Organize all systems technical documentation and process.

Moveit FTP systems

Azure Cloud Implementation: ARM, ARM Templates, PaaS, IaaS

Powershell Scripting

Python

Ansible

Release Management Pipelines and CI/CD

Windows Server Administration, IIS, DNS

Background on AWS: EC2, VPC, Route53, S3, Cloudfront,

Cloudwatch, AWS CLIs, SNS and SES

Site monitoring and support using Application Insights,

Cloudwatch, site24/7, NewRelic, Pingdom and Splunk.



Salesforce Team - Business Analyst

One resource

BSc Communications Technology Mgmt 2008
5 x Salesforce certified

- Hold walkthroughs to identify requirements for the different banking platforms that require Salesforce integration
- Provide suggested solutions in architecture meetings including impact analysis and work estimation from development teams
- Prepare Salesforce mockups and do "Proof of Concept" demonstration to stakeholders.
- Configure Salesforce fields, objects, and configuration-based automation (workflows/process builders).
- Wrote user-stories in JIRA and reference pages in confluence for easier project tracking during and post implementation.
- Lead a team of developers and QAs for implementation, testing, and deployment and production support activities.
- Run standups and coordinate with other working groups within the company regarding Salesforce updates
- Coordinate with external partners regarding product updates with impact on SF environments.



Salesforce – Platform Developer (Senior)

Skills

Salesforce CRM Apex Programming
Salesforce Lightning Programming
Salesforce Rest API Integration
Salesforce Configuration/Admin
Flosum DevOps Deployment

One resource

BSc Electronics & Communications Engineering
2016
5 x Salesforce certified

Duties

In charge of assessing/providing Logic and Solution Designs for Customer Care requirements

Implement Salesforce Integrations between systems using REST API

Provides R&D of salesforce functionalities to further improve current system

Provides production support for Customer Care

Provides/Implements DevOps Salesforce Deployment tool (Flosum)

Provides training for newly hire salesforce developers

In charge of maintaining Code quality and test class coverage for every SF system Hold



Salesforce – Platform Developer (Junior)

Skills

Salesforce Financial Services Cloud
Salesforce Service Cloud Administrator
Salesforce Configuration/Admin

One resource

BSc Physics 2012
3 x Salesforce certified

Duties

Salesforce Developer with Kknowledge of APEX, Triggers, Batch Jobs and Salesforce Integrations

Responsible for Salesforce implementations, integration solutions and deployment process using Flosum



Guide rates & managed services details

Services

AlphaZetta provides an end to end full-time-employee service to it's Philippines staff. This includes medical and life insurance, paid time off, all statutory payments and taxes and the obligatory 13th month payment. And HR and financial advice services. Our clients get a single bill monthly, with a single itemized charge for each resource.

Guide monthly rates in Australian Dollars

Java Engineer 1	\$8,500	
Java Engineer 2	\$8,000	
Java Engineer 3	\$7,500	Team \$24,000
Cloud Infra Engineer 1	\$7,500	
Cloud Infra Engineer 2	\$6,250	Team \$13,750
Data Analytics + ETL/DBA	\$7,500	
Data Analytics + SSxS	\$6,000	
Power BI + data analysis	\$7,250	Team \$20,750
Salesforce BA	\$7,500	
Salesforce Snr	\$5,000	
Salesforce Jnr	\$4,250	Team \$16,750

Contacts

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THANK YOU.....



The image features two stylized human heads in profile, facing each other. They are constructed from a network of grey lines forming a mesh, with small blue dots at the vertices. The background is solid black.

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the analytics experts