

SUMMARY

- I am an **Application Architect** at Vibrent Health with 9 years of experience in enterprise product development in healthcare.
- Currently working as an architect for 2 scrum teams (12+ people) to convert business requirements into system/technical designs, break them to a granular level, highlight non-functional requirements, and coordinate with scrum teams for ongoing queries.
- Priorly, I worked as **Team Lead** for a team of 7 people where I mainly focused on coordinating with architects and product owners to finalize the requirements and solutions, coding, perform code reviews, help QA to test sprint features and NFRs.
- Core expertise resides in microservice designs and development in Java (mainly using Spring Boot and Spring framework).
- Core expertise in MySQL database, slow query analysis and optimization
- Hands-on experience on data warehouse like Snowflake and Amazon RedShift also have some experience in building Serverless Data Lakes on AWS
- Good experience in Android development – designed and developed 7 android apps. 3 apps were published to play store
- Completed Certified Kubernetes Application Developer (CKAD) certification ([click here](#))
- Extensively worked with Docker, Kubernetes, Helm templates, Jenkins.
- Hands-on experience on AWS services like RDS, EC2, S3, Lambda, Redshift,

SKILLS

- **Programming Languages:** Java, Python, JS, GoLang, Shell Script
- **Databases:** MySQL, Snowflake, DB2, MongoDB
- **Tools & Technologies:**
 - Spring, Spring Boot, Hibernate & JPA, AngularJs, Android development,
 - Kafka
 - Docker, Kubernetes, Jenkin, CI/CD, Elasticsearch, Kibana, NewRelic
 - OAuth 2.0, SSO, Keycloak, SAML, OpenId Connect

EXPERIENCE

Vibrent Health – Fairfax, VA, US

Application Architect

April 2020 - present

- Currently responsible for providing technical and management guidance to all departments, working closely with Product Managers and assisting in the development of the project roadmap, providing accurate estimates for development, and work with development teams to ensure compliance.
- Worked on migrating our backend monolith service to multiple microservices decomposition and incremental changes
- Designed and delivered a data pipeline to bring the Email and SMS events from communication providers to data warehouse for Analytics & reporting purposes. It ingested **90+ million records in less than 12 hours**
- Involved in exploration of the data warehouse tools (evaluated Snowflake, DynamoDB)
- Evaluated various BI tools like Metabase, ThoughtSpot, Looker, etc for our use cases

Senior Software Engineer II

May 2018 - March 2020

- Worked on same the product with some additional responsibilities like technical architecture, SME for backend services, database designs, and a team lead.
- **Led a team of 7 people** and achieved a **90% growth** in team deliverables
- Analyzed custom dashboards and optimized SQL queries to **reduced page load time from 30+ secs to 4 secs**
- Worked on CI/CD pipeline with Docker and Kubernetes
- Worked on Single Sign On (SSO) using Keycloak and helped ops to setup infrastructure
- Setting up alerting & monitoring for critical functionalities and created performance dashboards on NewRelic

Vignet IT Solution Pvt. Ltd. – Pune, India

Senior Software Engineer

April 2017 - May 2018

- Designed and developed custom configurable business rule engine to provide personalized participant experience based on actions & schedules which could **process 500 events per second**
- Developed an automated program configuration migration from one environment to another which **saved 4 days'** worth of migration & verification **in the monthly release cycle**
- Wrote a library to integrate with EHR providers like Epic, Cerner, and AllScripts using SMART protocol. I also coordinated the communication with all these providers

- Developed a module parser to convert external survey formats like Qualtrics and REDCap to Vibrent format which reduced survey configuration time **from 3+ weeks to few hours** saving almost 6 months' worth of time for upcoming programs

Software Engineer

July 2013 - March 2017

- Started off a career as an Android application developer and later moved to a full stack role to build RESTful APIs for the same app
- During the full stack role mainly focused on android app development, web app development using AngularJs, and backend services with Spring/Spring Boot, Hibernate, MySQL
- Developed a reusable library to fetch measurement data from Oximeter and Blood Pressure meter (Omron/Nonin) over Bluetooth which can easily be integrated with the android app
- In limited duration, developed a framework based on JMeter to speed up the performance and load testing which saved 6 months' worth of time for 1 FTE
- Awarded as "Vignet Victor" the best employee for the year 2015
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Other Independent Projects:

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| 1. Push Down Automata Implementation (GoLang, AngularJs) | <i>2019</i> |
| 2. Car Pooling Android Application (Android Dev, Google Map, Spring Boot, MySQL) | <i>2016</i> |
| 3. DMV App for Violation and Payment (Android Dev, Google Map, Spring Boot, MySQL, Twilio, Stripe) | <i>2017</i> |
| 4. Wine & Dine Android Application (Android Dev, Google Map Integration, RESTful APIs) | <i>2014</i> |
| 5. A Self-configurable Children Tracking Android Application (Android, PHP, MySql, SQLite) | <i>2013</i> |