

PRAVIN GAYAL

gayalpravin777@gmail.com | 571-435-3954 | Fairfax, VA

SUMMARY

- Application Architect at Vibrent Health graduated from College of Engineering, Pune (COEP) and having 8 years of experience extensively in software product development in healthcare domain.
- Currently working as an application architect for 2 scrum teams (10+ people) to convert business needs into system designs and break it into technical tasks.
- Worked as Team Lead for a team of 5 people with responsibilities as designing technical solutions, coordinating between management to finalize the business requirements, help QA to test sprint features
- Core expertise in server-side technologies like J2EE, Spring framework, JPA, RESTful webservice using Spring Boot.
- Expertise in frontend technologies like AngularJs, HTML, CSS, NodeJS
- Good experience with Electronic Health Records (EHR) exchange using FHIR and SMART protocols. Worked with Epic, Cerner, EClinicalWorks EHR/EMR providers
- Good experience in technologies like Android development, Jupyter Notebook (Python), GoLang.
- Good experience in performance, stress and load testing using JMeter and BlazeMeter
- Extensively worked with Docker, Kubernetes, also have experience on building a Serverless Data Lakes on AWS
- Worked on monitoring tools like Kibana and Graphana with Elasticsearch, NewRelic

SKILLS

- **Programming Languages:** Java, Python, JavaScript, GoLang
- **Technologies:**
 - Spring framework, Hibernate ORM and JPA repositories, AngularJs, Android development, Kubernetes
- **Databases:** MySQL, Snowfla, DB2, firebase
- **Software Tools:**
 - JMeter, BlazeMeter and JProfiler tools for load and stress testing,
 - FHIR and SMART EHR protocols

EXPERIENCE

Vibrent Health – Fairfax, VA

Application Architect

April 2020 - present

- Currently responsible for providing technical and management guidance to all departments, work closely with Product Managers and assists in the development of the project roadmap, provide accurate estimates to management for development team's work and work with development teams to ensure compliance.
- Designed and implemented a module parser to convert external survey format like Qualtrics and REDCap to Vibrent format which reduced survey configuration from 3+ weeks to few hours saving almost year worth of time for upcoming programs.
- Worked on Single Sign On (SSO) using Keycloak and helped ops to setup infrastructure.

Senior Software Engineer II

May 2018 - March 2020

- Worked on same product with some additional responsibilities like technical architecture, team lead.
- With vast product knowledge of more than 6+ years, worked extensively with business and marketing teams for convert business requirements into technical/architectural design.
- Lead the team of 5 people and achieved significant amount of growth in team deliverables
- Designed and developed product's most complex module for efficient patient engagement
- Worked on end-to-end integration of EHR data sharing with different EHR providers
- Worked on CI/CD pipeline with Docker and Kubernetes
- Also worked on data pipeline and Master Data Management (MDM) strategies, also worked on writing ETLs for data migrations, used Jupyter Notebook with Data Science Python libraries

Vignet IT Solution Pvt. Ltd. - Pune

Senior Software Engineer

April 2017 - May 2018

- Involved in requirement analysis, designing, creating strategies to build innovative software design
- Worked as full stack developer on Spring and Angular, also worked as Android developer
- Involved in performance and load testing, performance optimization
- Awarded as "Vignet Victor" the best employee for year 2015

- The project is designed to allow Primary Care Physicians (PCP) working in underserved areas without access to a dermatologist's care a conduit to consultations from volunteer dermatologists online. PCP can submit details about dermatologic condition to system then linked dermatologist(s) will get notified and can response to PCP to assist the patient.

Software Engineer

July 2013 - March 2017

- Involved in requirement analysis, designing, creating strategies to build innovative software design
- Worked as full stack developer on Spring and Angular, also worked as Android developer
- Involved in performance and load testing, performance optimization

Other Independent Projects:

1. **Push Down Automata Implementation** (GoLang, AngularJs) *2019*
2. **Car Pooling Android Application** (Android Dev, Google Map, Spring Boot, MySQL) *2016*
3. **Wine & Dine Android Application** (Android Dev, Google Map Integration, RESTful APIs) *2014*
4. **A Self-configurable Children Tracking Android Application** (Android, PHP, MySql, SQLite) *2013*