

PARTH PACHCHIGAR

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SUMMARY:

- Hands on experience of building services using Java Spring, Hibernate, SQL and NoSQL databases
- Comfortable working on cross-team projects with tight deadlines

SKILLS:

- **Programming:** Java, C, C++, Python
- **Web:** Restful Web Services, Spring Boot, Jersey
- **Database and ORM:** SQL, Apache Spark, Databricks, InfluxDB, Liquibase, Hibernate
- **Miscellaneous:** Git, Gradle, JIRA, AWS, Jenkins, Terraform, Jersey, Retrofit, Grafana, Sumologic, NewRelic

RELEVANT EXPERIENCE:

Software Engineer II at IPSY, San Mateo, CA

[Mar, 2018 – Present]

- Re-architected subscription business logic and moved it to user subscription management microservice
- Integrated Ipsy's AB testing microservice with the user facing applications and also trained engineers to use it
- Wrote Databricks notebooks using Spark SQL to analyze performance of Ipsy's API gateway
- Implemented referral gift feature that helped growth team in running campaigns for user acquisition
- Load tested sign up and subscribe flow to handle massive traffic during free gift campaigns
- **Technologies:** Java, Grails, PostgreSQL, Elastic Beanstalk, S3, Terraform, Jenkins, Spark

Software Engineer Intern at FireEye Inc, Milpitas, CA

[Jun, 2017 – Dec, 2017]

- Implemented software for BIOS and IPMI upgrade automation resulted in increase in efficiency.
- Designed update toolkit using Raspberry Pi and Arduino saving cost of maintenance and shipping of existing bulky update kit.
- Developed module using REST API to convert IP Address into Geo-locations for Supply-chain department to find FireEye devices in the field.
- **Technologies:** Python, Raspberry Pi, TFTP

Software Developer Intern at Kalindi Softwares, Gujarat, India

[Jun, 2014 – Aug, 2014]

- Implemented company record handling module of financial accounting system
- Used network sockets to build distributed client-server architecture
- **Technologies:** Java, Swing UI, MySQL

RELEVANT PROJECTS:

Distributed system for Chat Application

[Jun, 2017 – Dec, 2017]

- Implemented Raft algorithm for consensus in the distributed messaging system
- Designed communication payloads using Google Protobuf resulted in simpler marshalling and unmarshalling
- Developed service discovery for initial handshaking between client and servers
- **Technologies:** Java, Netty, TCP, UDP

Indoor Navigation for Visually impaired

[Jun, 2017 – Dec, 2017]

- Implemented sensor fusion to find displacement and compass heading on Raspberry Pi
- Implemented backend application for navigation using Java Spring on Google IoT Cloud platform.
- Established communication between sensor fusion code and cloud backend using PubSub.
- **Technologies:** Android Things, Java Spring, Google IoT Cloud

Autonomous RC Car

[Jun, 2016 – Dec, 2016]

- Implemented Communication Controller in FreeRTOS using C++ for Autonomous RC Car prototype using CAN bus communication on SJOOne board.
- Developed Android Application which provides users with means of sending location of destination to Autonomous Car prototype.
- Used Bluetooth Low Energy to establish communication between Android Application and SJOOne board thus reducing power consumption and reducing the overhead of Bluetooth pairing.
- **Technologies:** FreeRTOS, C, C++, Java, Android

ACADEMIC QUALIFICATION:

- **Master of Science in Computer Engineering** GPA: **3.50** [Jan, 2016 – Dec, 2017]
San Jose State University, CA
- **Bachelor of Engineering in Computer Science and Engineering** GPA: **3.70** [Jul, 2011 – Jun, 2015]
Gujarat Technological University, India