





# JINCY JACOB

## CONTACT

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## SUMMARY/OBJECTIVE

Software developer with a passion to architect, design and develop resilient innovative solutions - tooling, services, API's and big data pipelines.

My work experience helped me gain a lot of perspectives in the following areas:

- Design, architect, build APIs and backend services with scalability, usability and highly fault-tolerant architecture.
- Hands-on experience in developing backend services using with Python, GO, Node.js, Kafka, Elastic Search
- Solid understanding of CI/CD pipelines
- Hands on with Automation and TDD to ease short cycle releases
- Technical Leadership, Mentoring and customer interactions.
- Improved engineering productivity through automation, process improvements, or re-architecting legacy systems to reduce technical debt.
- Collaborating with others, bringing teams together and finding efficient ways of solving problems.

## EDUCATION

### MS in Computer Engineering,

San Jose State University

### BS in Computer Science,

Anna University

## SKILLS

- Python, PHP, NodeJS, JavaScript, Shell Scripts, GO, Kafka, Elastic Search
- GCP (cloud storage, notifications, App engine, AWS (SQS, Lambda, S3, IAM, RDS)
- MySQL, SQLite3, MS SQL, Postgres, MongoDB, Redis
- Django, Flask, Laravel, Symfony
- Robot Framework, Pytest, Nosetest, Selenium, PHPUnit

## WORK EXPERIENCE

### Stealth mode startup, Remote - Sr Software Engineer 05/2024 - PRESENT

**Fitness Rewards application (Go, NodeJS, Python, Docker, React, Postgres, Redis )** An application building analytics based on fitness data.

### Tech Lead/Sr Software Engineer |Affinity Solutions | San Jose | 02/2021 – Present

**Panorama Analytics Platform (NodeJS, Python, Docker, Jenkins, AWS Redshift, AWS RDS, AWS Lambda,AWS S3, SQL) -** Data warehousing platform with billions of financial transactions that provides on-demand access to query and download U.S. consumer spend behavior.

- Designed/Implemented policy based metering/throttling for REST API. Resulted in 10% reduction in AWS cost.
- Developed new REST APIs and backend logic to measure impact of Sales/Ad campaigns
- Containerized API codebase for easier dev testing.
- Developed internal grafana dashboard to visualize API call rate, database latencies, cpu/memory usage of backend services etc.,

**AFS Transaction Explorer (AWS Redshift/RDS/Postgres, Django, Elastic Search, Docker, Jenkins) cross-functional tool**

- Ansible, Chef, Jenkins
- Docker, MicroK8s, minio
- Django, Flask, Laravel, Symfony
- Prometheus, Grafana

- Moved relevant data from redshift to Elasticsearch to improve search speed (more than 10x improvement).
- Developed a tool to make regular expression based searches on billions of credit card transactions.
- Implemented workflows for transaction tagging. Main intent here is to tag a group of transactions with a brand.
- Containerized the application for faster feature deployments and comparison of data.

**Cross functional team sandbox environment setup & deployment runbook** Successfully established standards and led the setup of Docker containers for developer sandboxes across multiple internal teams, which resulted in a 5% improvement in developer productivity. Additionally, created deployment runbooks that helped reduce technical debt during weekly releases. These efforts were shared as part of monthly Lunch and Learn Engineering Sessions promoting consistency and efficiency.

**Sr. Software Engineer/Software Engineer | Carbonite/OpenText | San Jose | 01/2013 – 02/2021**

**Carbonite SMB product and tools**

- Brought up with full SDLC web-services for user and metadata management of Carbonite Server Backup (CSB) powered by AWS and GCP that increased sales by 10%.
- Brought up with full SDLC as a scalable Storage Quota Management system using mark-and-sweep technique to cleanup cloud storage for expired subscriptions. Improved scalability of the Quota-Manager by parallelizing jobs powered by AWS and GCP .
- Isolated independent operations as microservices based on AWS platform.
- Developed test automation using Python, Selenium IDE and curl to test web pages and REST APIs with full SDLC for the above features.
- Maintained the existing Code; Fixed bug in Zmanda customer support and sales web pages (sugar CRM) which involves optimizing SQL queries and generating Reports.
- Maintained existing API and implemented new APIs to migrate data from Zmanda's issue tracking system to a CRM and occasionally running reports which need extensive knowledge in SQL databases.

**Software Engineer | ClickMail Inc | San Mateo | 08/2012 – 10/2012**

- Developed a web-based recommendation system for ESP (Email Service Provider) selection. Implemented backend code that interfaces with the database and the selection algorithm.
- Implemented and tested complex SQL queries for generating random dataset for email marketing.