

## EXPERIENCE

### Senior Software Development Engineer

April 2020 — Present

Anarock Technology

Mumbai, IN

- **CP Sourcing App:** Devised a low-latency, concurrent backend using RoR, Sidekiq, RabbitMQ, and Postgres, resulting in better Channel Partner management and commission distribution.
- Optimized the most time-consuming APIs by 20%-70% by using proper indexing strategies, caching with Redis, and making them asynchronous. Identified causes of frequent outages caused by background jobs in Sidekiq, or unoptimized API calls, and refactored them; thereby, making the systems highly available.
- Initiated and led the API structure standardisation which streamlined development cycles across teams.
- Responsible for hiring and mentoring developers, maintaining coding standards across products, and taking tech decisions across teams.
- **Notifications & Communication:** Engineered independently scalable SMS, Email, OTP, and Notification microservices, written in Elixir using Phoenix and Ruby on Rails, employing Postgres as the backing database.

### Software Development Engineer

June 2018 — April 2020

Anarock Technology

Mumbai, IN

- **Reimbursement App:** Developed a tool in RoR and PostgreSQL that eliminates the manual reimbursement submission process. The tool was projected to save around \$500k, annually.
- Worked on the Lead Churning Algorithms resulting in an increased number of Site Visits, by 16%, which is the most decisive factor for bookings.
- Redesigned the complete agent-to-lead relationship, which forms the core of the business, involving schema modifications and rewriting a major part of the codebase.
- Set up documentations and processes to automate client onboarding, reducing the complete process from days to minutes.
- Refactored repeated code out of the largest core repository into reusable code snippets, resulting in 20% code reduction, hence making following iterations, bug fixes, and maintenance easier.

### Software Development Intern, Asset and Wealth Management

July 2017 — Dec 2017

JP Morgan Chase and Co.

Bengaluru, IN

- **Asset Contract Parser:** A text classifier based web app to parse asset contracts between the bank and the clients containing various sections using Long Short Term Memory Networks.
- Contributed by building backend RESTful APIs that consumed the trained models and frontend that consumed the APIs.
- The project turned out to be a successful proof of concept expected to reduce costs by \$700k-\$800k, annually.
- Technologies Used: Python, Flask, Javascript, HTML, CSS.

## EDUCATION

### Birla Institute of Technology and Science, Pilani, India

August 2013 - May 2018

B.E. Electrical and Electronics

GPA: 7.41/10

M.Sc. Biological Sciences

## PROJECTS

### ROBUST INFLUENCE MAXIMIZATION

Jan 2018 — Feb 2018

- A machine learning project where Influence maximization is the aim, that is, selecting the top k seed nodes to maximize their influence coverage under certain models.
- Algorithm implemented here was IRIE which integrates influence ranking and influence estimation methods for influence maximization.

### A SEARCH ENGINE

Feb 2018 – Mar 2018

- A text-based search engine (based on Vector Space Model).
- The project had several stages where the indexing component was built; it took a large collection of text and produced a searchable persistent data structure. Thereafter, a searching component was added based on the Vector Space Model.

## TECHNICAL SKILLS

**Programming Languages and Concepts:**

Ruby, Java, Go, Elixir, Git

**Frameworks:**

Rails, Phoenix, RabbitMQ

**Databases**

PostgreSQL, Redis, Memcached

**DevOps**

AWS, NGINX