

## 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 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, 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, using 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 completely eliminates the manual reimbursement submission process. The tool was projected to save around \$500k annually.
- Worked on the Lead Churning Algorithms resulting in 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 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 i.e. 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 indexing component was built, which 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