Dinu Nair

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EXPERIENCE

Freo (formerly MoneyTap) Bangalore, India
Software Engineer *March 2020 - Present*

- ○ Led the development and architecture of Freo's centralized FraudCheck-as-a-Service platform, thereby streamlining fraud checks across all Freo apps
- ○ Developed the backend of Buy Now Pay Later app for PoS systems. Ensures loan eligibility check and disbursal in near real time.
- ○ Responsible for feature engineering on customer's financial, credit data and behavioural data. Built APIs on top of them to enable swift underwriting of loan applications.
- ○ Tech used: Python, Java, Spring Boot, Pandas, FastAPI, Flask, AWS (EC2, S3, Athena, SQS, SNS, Fargate), Docker, PostgreSQL

Qbera Bangalore, India
Backend Engineer *June 2019 - Feb 2020*

- ○ Designed and developed core REST and GraphQL APIs in Django (Python) for loan origination system.
- ○ Developed AWS Lambda microservices to score a customer based on their financial history and assist in the underwriting of loans.
- ○ Tech used: Python, Django, GraphQL, AWS (EC2, Lambda, S3, Glacier, Athena), MySQL, MongoDB

Fossasia Singapore/Remote
Open Source Developer *Sept 2018 - May 2019*

- ○ Created REST APIs in Flask (Python), wrote tests and documentations, fixed bugs and created Docker and Heroku auto-deployment scripts of FOSSASIA's event management API server called Open Event Server.
- ○ Created pages and fixed open issues of Angular based frontend for Susper, a decentralised search engine.
- ○ Won scholarship to attend FOSSASIA Summit 2019 in Singapore.

Integration Wizards Solutions Bangalore, India
Natural Language Processing Intern *June 2018 - Aug 2018*

- ○ Developed an NLP application using Python, NLTK and RASA stack for IoT devices to parse queries and enable information exchange in a network of connected devices.

EDUCATION

College of Technology, Pantnagar Pantnagar, India
Bachelor of Technology in Information Technology; GPA: 7.46/10.0 *Aug. 2015 – June. 2019*

SIDE PROJECTS

- **IndiaTracker:** Volunteered for Karnataka's State Government during the onset of Covid-19 pandemic. Created a web-app to mark covid-hotspots on Bengaluru's map based on anonymised Aarogya Setu's chats and exposed REST APIs to locate the ward, zone and coordinates of suspected cases. Tech: Flask, DigitalOcean, GeoPandas, Dash
- **RATI App:** Helped in the development of backend of Rapid Antigen Testing App used by BBMP. Responsible for geocoding and location APIs and data engineering. Tech: Django, GeoPandas, MongoDB
- **python-ds:** Created a GitHub repository with 1500+ stars and 500+ forks for data structure and algorithm interview questions on Python. Became a trending repository in the month of October, 2019

PROGRAMMING SKILLS

- **Languages**: Python, Java, Bash, Golang

- **Frameworks/Tools**: Django, Spring Boot, Flask, AWS, Pandas, Numpy