

Parthiv Mohan

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pmocal.github.io

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EXPERIENCE

NYC Department of Sanitation *Data Engineer (40 hrs per week)*

Hybrid (Remote/New York, NY)
07/2023 - Present

- Maintain data warehouse and develop applications as member of Operations Management Division
- Migrated on-prem SQL Server data warehouse to Databricks by implementing data pipelines in PySpark
- Deployed integration to publish live data on toll usage by the department's active fleet of 2500+ vehicles
- Developed Power BI dashboard that multiple divisions use to view Mayor's Management Report metrics

California Department of Healthcare Access & Information *Software Engineer (40 hrs per week)*

Hybrid (Remote/Sacramento, CA)
03/2022 - 06/2023

- Developed software and provided support to users as part of eServices Development Group
- Worked as a technical lead on web-based applications for overseeing construction of California hospitals

Various Clients *Freelance Full Stack Developer*

Remote

01/2020 - 02/2022

- Worked on front (Vue) & back (Django API with Postgres) end of client enterprise application
(40 hrs per week 11/2020 to 02/2022)
- Built log management Django application from end to end for cybersecurity compliance startup
(10 hrs per week 07/2020 to 04/2021)
- Built AI startup an ETL pipeline to frequently fetch clients' HR/IT ticketing data from their service providers
 - Created extensible solution with ServiceNow & JIRA Service Management supported out-of-the-box
(30 hrs per week 04/2020 to 08/2020)
- Built web applications/sites using Node & Vue for writer, jewelry appraisal company & others
(40 hrs per week 01/2020 to 04/2020)

IBM Research *Cognitive Software Engineer (40 hrs per week)*

Yorktown Heights, NY
03/2017 - 06/2018

- Developed Case Process Management software for event processing, monitoring, & analytics via cloud
 - Stored events in ElasticSearch and built user-facing dashboards for key performance indicators
- Helped build & maintain API Harmony, an intelligent and open-source catalog of web APIs

SKILLS

- Git, Python, SQL, Javascript, Node.js, Vue.js, HTML/CSS, Java, Bash, Databricks, Docker, Django, Spark
- REST; Model–View–Controller; Unit & Integration Testing; Data Warehousing; Machine Learning; AWS

EDUCATION

University of California, Berkeley *B.A. Computer Science, B.A. Cognitive Science; Minor in Creative Writing*

Berkeley, CA
08/2012-08/2016

Relevant Coursework:

Efficient Algorithms & Intractable Problems; Randomized Algorithms & Probabilistic Analysis; Introduction to Artificial Intelligence; Introduction to Machine Learning; Introduction to Database Systems; Economic Statistics & Econometrics; Discrete Math & Probability Theory; Signal Processing; Industrial Database Systems; UNIX; Machine Structures; Data Structures; Linear Algebra & Differential Equations; Cognitive Neuroscience