

Parthiv Mohan

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EXPERIENCE

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

New York, NY
07/2023 - Present

- Maintain data warehouse and develop applications as a member of Operations Management Division
- Developed Power BI dashboard that multiple divisions use to view Mayor's Management Report metrics
- Extract, transform, and load data from various sources to sinks such as Databricks and SQL Server

California Department of Healthcare Access & Information
Software Engineer / IT Specialist I (40 hrs per week)

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

- Developed software as a technical lead within eServices Development Group
- Worked 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 DB) end of client enterprise application
(40 hrs per week 11/2020 to 02/2022)
- Built log management Django application from end to end for client in cybersecurity compliance space
(8 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
 - Independently implemented performant (~500 rows/sec) solution & documented it
 - Created extensible solution with JIRA Service Desk & ServiceNow supported out of the box
(30 hrs per week 04/2020 to 08/2020)
- Built web applications/sites using Node & Vue for jewelry appraisal company, writer & other clients
(35 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, built user-facing dashboards for KPIs; wrote scripts & documentation
- Helped build & maintain API Harmony, an open source intelligent catalog of web APIs for developers to use
 - Implemented walkthrough tour in JavaScript & administrative site in Ruby on Rails

SKILLS

- **Advanced**
 - JavaScript, Python, Django, Vue.js, HTML/CSS, SQL, Bash, Node.js, Postgres, Docker, Git
 - REST; Model-View-Controller; Unit Testing; Integration Testing; Machine Learning

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