



Mitchell Parker

Data Engineer | Data Scientist | Data Analyst | Testing | Cloud

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EXPERIENCE

Kinetic Systems

Sep 2024 - Dec 2024

Test Analyst

- Management: Plan and manage system and acceptance testing, including software security testing, ensuring integrity and alignment with project goals.
- Define and communicate: test strategies, processes, and best practices.
- Create and execute: Creation of detailed test cases, scripts, and regression packs based on functional and non-functional specifications.
- Analysis: Analyse test outcomes, report anomalies, and maintain a defect register.
- Provide authoritative advice: on test planning, execution, and automation strategies.
- Support and drive test automation: Identifying opportunities for process improvements.
- Report: on testing progress, risks, and system quality metrics to stakeholders.

Teamware Solutions a division of Quantum Leap Consulting Pvt. Ltd, India

May 2024 - Sep 2024

Data Engineer

- Lead Data Migration: Take charge of data migration services, from analysis to implementation, testing, and validation.
- Data Quality Assessment: Scrutinize data for inconsistencies, inaccuracies, and gaps, ensuring top-notch quality.
- Mapping Mastery: Evaluate and map current data to its new home in Salesforce, creating precise mapping files.
- Testing: Conduct thorough data-level and application-level validation testing.
- Quality Reporting: Generate reports to spot and address any data migration issues.
- Data Extraction: Extract data from SQL Server and Salesforce for profiling, analysis, and cleansing.

Refonte Infini - Infiniment Grand, Amsterdam

Apr 2024 - Jul 2024

AI & Data Science Internship

- Collaboration: with cross-functional teams to develop, deploy, and maintain AI-driven solutions.
- Data Cleansing/Extraction: Assist in collecting, cleaning, and analyzing data from various sources to derive actionable insights.
- Pipeline Implementation: Contribute to the design and implementation of scalable data pipelines for model training and deployment.
- DevOps & Integration of ML: Support the integration of machine learning models into production systems using DevOps best practices.
- Optimization: Participate in designing and optimizing CI/CD pipelines for continuous integration, testing, and deployment of AI applications on cloud platforms.

FS-ISAC, Singapore

Cloud Engineering Intern

Feb 2024 - May 2024

- Delivery of High-Quality Cloud Solutions: Collaborated with stakeholders to design and deliver robust cloud solutions aligned with business needs.
- Collaboration with Service Providers: Partnered with managed service providers to implement road-maps focused on enhancing cloud environments.
- Optimisation of CI/CD Pipelines: Designed and implemented continuous integration, continuous delivery, and deployment (CI/CD) pipelines, adhering to best practices.
- Driving Scalability, Automation, and Innovation: Integrated scalability and innovation into cloud operations by implementing automation solutions.

Repeat Dance

Project Manager

Sep 2023 - Jan 2024

- As a Project Manager at Repeat Dance, I lead the planning, execution, and delivery of various projects, ensuring that each one meets its goals within the specified timeline and budget.
- Stakeholder Engagement: Coordinating with multiple stakeholders, managing resources, and maintaining clear communication channels. My ability to analyze complex scenarios and develop strategic solutions has been key to driving the success of these projects.

Australian Army

Driver Specialist

April 2018 - February 2021

- As a Driver for the Australian Army, I was responsible for the safe and timely transportation of personnel and equipment.
- Discipline: This role required a high level of discipline, attention to detail, and effective communication.
- Teamwork and Foundations: My experience in this position taught me the importance of teamwork, reliability, and adaptability skills that have been invaluable in my subsequent roles across different industries.

EDUCATION

Charles Sturt University

2024

MS - Information Technology

Big Data Analytics: Worked with tools like Hadoop, Spark, and AWS services to process and analyze large datasets.

Machine Learning: Implemented predictive models using Python and R, focusing on algorithms such as Random Forest, Neural Networks, and SVM.

Cloud Computing: Developed scalable solutions leveraging AWS and Azure for data storage, processing, and application deployment.

Major Project: Scalable Cloud Solutions for Data-Intensive Applications

Technologies: AWS EC2, S3, RDS, Lambda, Python.

Thesis: Advancing Cloud Computing Architectures for Optimized Resource Utilization

SAE Australia

Bachelor of Audio Engineering

2021 - 2023

FEC Fremantle

Certificate IV in Business

2016

SKILLS

Programming & Software Development:

- Proficient in Python, R, Java, C++, and JavaScript.
- Experience with software development frameworks like Django, Flask, and Node.js.
- Skilled in version control systems (Git, GitHub) and CI/CD pipelines.

Data Science & Machine Learning:

- Expertise in machine learning libraries such as TensorFlow, Keras, Scikit-learn, and PyTorch.
- Hands-on experience with statistical modeling, predictive analytics, and feature engineering.
- Proficient in data visualization tools like Tableau, Power BI, and Matplotlib.

Cloud Computing & Data Engineering:

- In-depth knowledge of AWS (EC2, S3, RDS, Lambda), Azure, and Google Cloud Platform.
- Experience with big data tools like Hadoop, Spark, and Kafka.
- Skilled in designing ETL pipelines and working with data warehouses like Redshift and Snowflake.

Database Management:

- Proficient in SQL, NoSQL (MongoDB, Cassandra), and relational databases (MySQL, PostgreSQL).
- Experience with data modeling and schema design.

Business & Project Management:

- Knowledge of Agile and Waterfall project management methodologies.
- Proficient in tools like JIRA, Trello, and Microsoft Project.
- Strong communication, team collaboration, and stakeholder management skills.

CERTIFICATIONS

Solutions Architect2024

AWS

Cloud Practitioner Essentials2024

AWS

Data Analytics Professional Course2024

Google

Career Essentials in GitHub Professional Certificate2023

GitHub

Career Essentials in Cybersecurity by Microsoft and LinkedIn2023

Microsoft

Programming with Python Professional Certificate2022

OpenEDG Python Institute

JavaScript Foundations Professional Certificate by Mozilla2023

Mozilla

PROJECTS

AI-Powered Autonomous Testing Platform - Kinetic Systems

February 2024

Developed an AI-driven testing framework capable of adaptive learning to generate and execute test cases based on evolving software specifications.
Integrated ChatGPT-powered test script generation for functional, regression, and security testing.
Employed ML algorithms to predict system performance under various conditions, ensuring robust software quality assurance.
Created a dashboard in Grafana to provide real-time metrics on testing coverage and defect tracking.
Technologies: Python, Selenium, TensorFlow, Grafana, Kubernetes, Jenkins, OWASP ZAP.

Real-Time Data Lakehouse for Predictive Analytics - Teamware

January 2024

Designed and implemented a hybrid data lakehouse architecture on Databricks to unify batch and real-time analytics for customer data.
Built dynamic ETL pipelines using Apache Beam to handle streaming and batch workloads, ensuring low-latency data ingestion.
Introduced Delta Lake for ACID transactions and time travel functionality.
Integrated Looker for advanced visualization of real-time analytics, enhancing decision-making capabilities for stakeholders.
Technologies: Databricks, Apache Beam, Delta Lake, Looker, Python, AWS Glue.

Real-Time Recommendation Engine for E-commerce Platforms - Infini

January 2024

Architected a real-time recommendation engine using a hybrid approach combining collaborative filtering and deep learning techniques.
Deployed models via AWS Lambda and API Gateway for scalable and cost-effective recommendations.
Built a monitoring system with Prometheus and Grafana to track recommendation accuracy and user engagement.
Implemented MLOps practices to streamline model retraining and versioning on a Kubernetes cluster.
Technologies: Python, PyTorch, AWS Lambda, Kubernetes, Prometheus, Grafana.

REFERENCES

Please contact for a list of references