Joel Kinny

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SUMMARY

5 years of Python Full Stack development expertise, ETL/ELT development, DevOps experience along with proficiency in Machine Learning/Deep Learning modeling, looking for opportunities in Machine Learning and Data Engineering domain

TECHNICAL SKILLS

Programming Languages: Python, C/C++, JavaScript, Pl/SQL, Linux Bash, Windows Batch
Web Development: HTML/CSS/Bootstrap, jQuery, Django, Flask, React
Cloud Services: AWS EC2, AWS Redshift, SageMaker, AWS Lambda, AWS ECS, AWS SNS, AWS CloudFormation, Glue
Tools and Technologies: Apache Spark, Splunk, Tableau, QlikSense, Airflow, DataStage, Hive, Pig, Jira, Jenkins Git, PyTorch, Tensorflow, Seaborn, D3, node4j, AutoML, PowerBI, MLOps, Docker, Kubernetes, Hadoop

WORK EXPERIENCE

Consultant | Office of Information Technology, Rutgers University   **Apr 2024**
- Tasked with solving complex information technology related problems and providing support to university users

Data Engineer | Quantiphi Analytics | Remote   **Jul 2021 - Aug 2023**
- Developed and deployed a financial Enterprise Data warehouse on **AWS**, optimizing the data processing pipeline resulting in a **70%** reduction in runtime
- Lead developer of a FX API project on **AWS,** using **Kubernetes** and **Python**
- Used various database and analytics technologies, including **AWS Redshift**, various **Python** ETL workloads using **AWS Step Functions**, **AWS ECS** and **AWS Lambda**

Senior Software Engineer | Capgemini Technology Services | Remote   **Aug 2019 - Jul 2021**
- Supported the development of key **ETL** processes using **HPC, PL/SQL, UNIX** and **SQL Server** and **.NET**
- Collaborated in developing a **Python Data Analysis library** for actuarial users, earning appreciation from key stakeholders

EDUCATION

Rutgers University | New Brunswick, NJ
M.S. in Electrical and Computer Engineering | GPA: 4.0/4.0   **Aug 2023 - May 2025**
Relevant Courses: Deep Learning, Data Structures & Algorithms, Computer Architecture, Cloud Computing and Big Data

University of Mumbai, Xavier Institute of Engineering | Mumbai, MH
B.E. in Electronics and Telecommunication Engineering | GPA: 7.75/10.0   **July 2015 - June 2019**
Relevant Courses: Neural Networks, Object Oriented Programming, Microprocessors, Wireless Networks

PROJECTS

Stock Recommender and Algorithmic Trading Bot Web Application   **Apr 2024**
- Designed and developed a web application using **Django**, **JavaScript**, **Channels** for stock market analysis and algorithmic trading. Used a **Generative Adversarial Network** and **LSTM**/**CNN** models for data generation and prediction
- Achieved a RMAE of **95%** and Cumulative Return on Investment (CR) of **30%** using the model

OpenAI Chatbot   **Jan 2024**
- Developed a web chatbot application using **OpenAI** on a **Django** environment using **Python** and **JavaScript**
- Provides user authentication, user based conversations and a **Postgres** backend

Autonomous Vehicle Prototype   **May 2019**
- Led the collaboration and development of a scaled down autonomous vehicular bot using **Deep Learning** methods and achieved a test accuracy of **92%** in simulated tests. Published **two** papers on the research done during project
- Used **Python, TensorFlow, OpenCV** and **Flask** for the development environment and **Embedded systems** and **ADAfruit Shield** for the prototype model

LEADERSHIP & AWARDS

- Led the team and won the **Best Hack** at **HackRU Spring 2024** hackathon
- Received the **Avengers Award** and **Kingsmen Award** in H1 2022, **Spot Award** for Q3 2021 and **Kingsmen Award** for H1 2021 for exemplary performance and client delivery at **Quantiphi**
- Received the **Rising Star Award** for H1 2020 for innovation and dedication at **Capgemini**