

MyungJae Matthew Lee

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EXPERIENCE

Software Engineer iPro Systems *Nov. 2022 – Present*

- Create and maintain mission critical data pipelines utilizing PySpark, Airflow, and AWS EMR
- Write complex ETL scripts to perform migrations on disparate databases
- Clean and organize unprocessed data for to be used in BI tools like Tableau
- Develop complex APIs with Python, FastAPI, Postgres, and AWS
- Utilize Flyway to migrate database to suit stakeholders' ever-changing needs
- Refactor legacy billing systems with Spark to dramatically cut runtime
- Design and develop intuitive UIs for a multi-tenant web application
- Debug failed processes including API's, UI's, data pipelines, and core billing

Project Engineer Cleveland-Cliffs *Mar. 2022 – Nov. 2022*

- Ensured stakeholders' satisfaction by delivering projects on time and within budget
- Utilized AutoCAD to create and edit mechanical and electrical drawings
- Oversaw job sites to ensure proper safety and procedures

Associate Engineer Cleveland-Cliffs *June 2021 – Mar. 2022*

- Assisted in developing engineering specifications for a \$55M maintenance project
- Overhauled the department's lubrication protocol, reducing unplanned downtime
- Performed phase 0 engineering to ensure viability before each project

Engineering Intern KPI Incorporated *June 2020 – Aug 2020*

- Designed custom conveyors and layouts to meet customers' needs with an emphasis on safety
- Tested new installations for proper functionality and troubleshoot as necessary

Laboratory Assistant Rose-Hulman Institute of Technology *Aug. 2017 – May 2021*

- Developed 2D drawings and 3D models within design constraints and requirements
- Provided technical and administrative assistance as necessary

SKILLS

- Python, Java, JavaScript, Go, SQL, HTML, CSS, Bash, Linux
- FastAPI, Spring Boot, Node.js, Express.js, Vue.js, React.js
- PostgreSQL, MSSQL, Docker, Airflow, Git, Flyway, Auth0, Stripe
- AWS (S3, EC2, EMR, RDS, Redshift, Codebuild, ECR/ECS, SQS, SES, Cloudwatch, etc.)

EDUCATION

B.S. Mechanical Engineering Rose-Hulman Institute of Technology *Aug.2017 - May 2021*
Minor in Mathematics