Jae Kim

510-566-0708 | kjh9643@gmail.com | jaeh-kim.com | US Citizen

Summary

Backend-focused software engineer with a background in automation and systems integration. Proven ability to design scalable ETL pipelines, architect SQL schemas, integrate APIs, and deploy full-stack applications to cloud environments. Transitioning from RPA to software engineering with a focus on building robust, high-performance systems.

Experience

Tri Pointe Homes Irvine, CA

RPA Developer *October 2021 – Current*

- Designed and implemented an SVM-based classification pipeline to process 200K+ unstructured support tickets, achieving 78% accuracy and automating triage, saving 3,000+ manual hours
- Engineered a scalable data extraction system using UiPath and custom API integrations with DocuSign and Laserfiche, automating document workflows and cutting manual data entry by 90%
- Architected and implemented an end-to-end employee lifecycle automation system using UiPath workflows, custom Python scripts (PYAD), and Freshservice API integration, cutting onboarding/offboarding time from 3 days to 2 hours
- Designed and implemented robust ETL pipelines in Python to process 1M+ records from diverse sources; automated orchestration with Apache Airflow to ensure data freshness and reliability
- Architected and optimized a relational database schema in SQL for tracking time and cost savings from automated workflows; enabled scalable, query-efficient performance reporting
- Administered UiPath Orchestrator, optimizing job scheduling, deployment workflows, and robot utilization—resulting in a 30% improvement in execution efficiency
- Built real-time Tableau dashboards integrating UiPath metrics (volume, success rates, execution times) to enable scalable monitoring of automation KPIs and system performance

Tri Pointe Homes Irvine, CA

Developer Intern *May 2021 - Sep 2021*

- Developed SQL-based data transformation scripts to automate ERP data uploads, reducing manual handling time by 99% and streamlining enterprise data flow
- Leveraged Python and pandas to process and normalize 400K+ user records, optimizing large-scale data workflows and improving reporting accuracy for business stakeholders

Projects

Jlockbusters | A full-stack, web-based movie search engine application

- Designed and implemented a full-stack web application with a Spring Boot REST API and React frontend, enabling users to search and view movies dynamically
- Integrated Google reCAPTCHA and session-based authentication to enhance security and ensure persistent user sessions
- Deployed to AWS on an Ubuntu server with Nginx reverse proxy for improved reliability, uptime, and performance
- Architected a MySQL master-slave replication setup to enable read/write separation and load balancing, reducing latency and increasing database scalability

Education

University of California, Irvine Irvine, CA

Bachelor of Science in Computer Science (Systems and Software) *Graduated: December 2023*

Technical Skills

Languages: Python, Java, VB, SQL, JavaScript, HTML/CSS
Frameworks & Libraries: React, Spring Boot, Express, JUnit, pandas, NumPy, Scikit-learn, Matplotlib, Selenium, Apache Airflow
Tools & Platforms: Docker, Git, Kubernetes, VS Code, Tableau, UiPath, Mulesoft, AWS