Kevin Saephanh

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Work Experience

JPMorgan Chase   *July 2024 - Current*
Software Engineer III

- Led development of a distributed logging system with Kafka and Oracle, aggregating logs from 10 microservices to enable real-time monitoring and faster incident resolution.
- Optimized batch jobs for 10M+ trade records, reducing runtimes by 20% by consolidating processing into a single microservice and adding async Kafka triggers.
- Implemented a custom Kafka consistent partitioning strategy for a tax processing microservice for improved load distribution, reducing processing time by 15%.
- Collaborated with the BA team, Ops team, and senior leadership to build a client-specific trade processing and creation feature for one of our largest clients.

Great Lakes Reality Labs   *Aug 2022 - Feb 2024*
Backend Engineer

- Rebuilt API from scratch using Nest.js and PostgreSQL, cutting the production timeline for the MVP application by 30%, accelerating time-to-market.
- Implemented automated cron jobs to update up to 1000 database records daily, ensuring accuracy for subscription, company, and student data.
- Developed a subscription system in the API, enabling the first monetizable feature and establishing a revenue stream.

Cognizant   *Jan 2020 - Jan 2024*
Full Stack Engineer

- Built and integrated a Spring Boot microservice and Angular microfrontend in Salesforce, bypassing file size constraints and allowing continued use of the Salesforce application.
- Implemented a Java-based batch job that updated over 30,000 records across database tables, remediating critical missing records used for auto loans investigations and auditing.
- Migrated a BFF Spring Boot app behind an API Gateway, enhancing security with JWT authentication and restricting ingress traffic for downstream microservices.
- Developed an escalation feature across the system to expedite auto dealer/contract investigations, publishing events to Kafka for downstream processing.

Skills

Languages: Java, Python, JavaScript, TypeScript
Frameworks: Spring Boot, Node.js, Angular, React
Databases: PostgreSQL, MongoDB, Oracle
Tools: AWS, Kafka, Docker, Git

Certifications

AWS Certified Solutions Architect - Associate

Education

University of California, Santa Barbara   *2019*
BA, Biological Anthropology