Robert Diorio

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EXPERIENCE

JPMorgan Chase   **New York, NY**

Full Stack Software Engineer II   *August 2023 - Current*
- Developed backend for the Chase recommendation engine that drove targeted marketing campaigns, improving customer engagement and **supporting multimillion-dollar revenue** from offer conversions.
- Led the migration from a monolithic, on-prem architecture to a microservices-based solution on AWS Fargate, improving system scalability and reducing deployment time for critical services by 50%.
- Owned a mission-critical suppressions engine project, collaborating with product, marketing, engineering, and vendors to meet deployment deadlines and hit KPIs tied to multi-million dollar contracts
- Built a scalable data aggregation service with multithreading, retry logic, and timeouts to ensure low-latency, high-reliability responses across distributed systems owned by 5+ external teams.
- **Shipped a production-grade Kafka data streaming pipeline** with end-to-end testing and reliability, enabling real-time ingestion and processing of terabytes of data for downstream services.
- Designed a novel X.509 certificate-based authentication workflow with IDAnywhere to securely integrate AWS and on-prem apps, with documentation viewed 100s of times, enabling cross-team adoption.

Software Engineer Intern   *June 2022 - August 2022*
- Wrote and automated integration and functional tests across dozens of enterprise apps, strengthening CI/CD stability and supporting production with on-call incident handling and resolution.
- Built and tested Spring Boot RESTful API to handle database migration from Cassandra to Aurora RDS
- Researched, tested, and documented Aurora RDS POC used by external database migration team
- Utilized Cucumber BDD and Jest framework to reach 80% code coverage for entire application

Adalo, information technology startup   **St. Louis, MO**

Software Engineer Intern   *June 2021 - August 2021*
- Shipped features using React and Node to improve functionality of the platform
- Executed all stages of the product development lifecycle ranging from planning to testing to deployment
- Worked with product and design to navigate technical restraints and make effective product decisions

SKILLS

- **Languages:** Java, Spring, React, JavaScript, Python, Terraform, Mandarin
- **Tech:** AWS (ECS, lambda, S3), Kubernetes (Docker, Skaffold), Pandas, NumPy, TensorFlow, Postman
- **Certs**: AWS - Solutions Architecture, Certified Developer, Cloud Practitioner
- **Leadership:** Co-lead Software Engineer Program's professional and career development committee, presenting to MDs. Mentored intern and first year engineer. Captain and organizer of co-ed soccer team

EDUCATION

Washington University in St. Louis   **St. Louis, MO**

Bachelor of Science, Dual Major in Computer Science and Finance, Minor in Mandarin   2019 - 2023
- GPA: 3.8/4.0 - Dean's List All Eligible Semesters
- Neural Network and Deep Learning Program at DIS Copenhagen
  - Used Tensor Flow, Keras to construct GAN that generates images of Pokemon. project, code
  - Combined sentence embedding, web scraping, and an NLP library to analyze movie data. project
- Club Soccer - Player and leadership all four years
- TEDx club - Speaker coach for campus hosted TED talks