

MATTHEW KILLEEN

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EXPERIENCE

JPMorgan Chase

April 2026 – Present

Software Engineer II, Wealth Management

- Built generic asset-class handling for JP Morgan Chase's wealth management application in Java and Spring Boot, a platform serving thousands of financial advisors and millions of clients at tens of millions of requests per day.
- Led the deployment of multiple production releases across 10+ full stack teams, delivering the handling of non-qualified fixed / variable annuities and major technology infrastructure upgrades.
- Added debug-level calculation tracing to the financial calculation engine's test suite, cutting time to diagnose defects by 10x – 15x.

LBI Software

February 2024 – April 2026

Software Engineer

- Introduced 40+ new transaction types, robust contract versioning and contract addendums for a high-profile sports league's platform application.
- Rewrote a 15-year-old legacy application for a high-profile insurance company using Spring Boot, Angular, PostgreSQL and AWS within 6 months.
- Implemented caching throughout a high-profile sports league's platform application, decreasing load time on multiple pages from seconds to milliseconds, a speed increase of 15x – 20x.

Infosys Limited

June 2022 – October 2023

Associate Software Engineer

- Built a microservices-based banking application for a top U.S. bank using Java, Spring Boot, Spring Cloud, and Angular, backed by Microsoft SQL Server.
- Deployed Dockerized services on AWS EC2 with centralized configuration, service discovery, load balancing, and an API gateway via Spring Cloud Consul.

Data Mining and Management Lab, University at Albany, SUNY

May 2021 – May 2022

Undergraduate Researcher

- Co-authored a paper published at the 28th ACM SIGKDD Conference (KDD 2022) on deep generative models for nanomaterial design.
- Developed new variational autoencoder variants in PyTorch and collaborated with UC Irvine researchers working to fabricate the model-designed nanomaterials.

SKILLS

Languages: Java, Python, TypeScript/JavaScript, SQL

Frameworks: Spring Boot, Spring Data, Hibernate, MyBatis, Jakarta EE, Angular, Ionic, React, PyTorch, TensorFlow, LangChain

Tools: AWS, Docker, PostgreSQL, MySQL, Microsoft SQL Server, MongoDB, Git, Maven, Gradle, Linux, Swagger, Dynatrace, Splunk

EDUCATION

University at Albany, State University of New York

May 2022

B.S., Computer Science & Applied Mathematics (Data Analytics Concentration), GPA 3.97

PUBLICATION

[“DNA-Stabilized Silver Nanocluster Design via Regularized Variational Autoencoders”](#), 28th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2022.

CERTIFICATIONS & AWARDS

AWS Certified Cloud Practitioner, Amazon Web Services, 2023

Eagle Scout, Boy Scouts of America, 2017