MATTHEW KILLEEN

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Website: https://matthewrkilleen.com/

EDUCATION

University at Albany, State University of New York
Bachelor of Science Graduated May 2022
Computer Science & Applied Mathematics (Data Analytics Concentration)
GPA: 3.97

PROFESSIONAL EXPERIENCE

Software Engineer February 2024 – Present
LBi Software

- Took an active role in full-stack technical planning and implementation of new features across web and mobile platforms for high-profile clients, including major sports leagues such as the NBA, MLB and NWSL.
- Designed and developed scalable, performant applications using Java, Spring Boot, Angular, and Ionic, with a focus on maintainable architecture and clean code practices.
- Collaborated closely with product managers and stakeholders to gather requirements, define technical roadmaps, and ensure timely, high-quality delivery of prioritized features.

Associate Software Engineer June 2022 – October 2023
Infosys Limited

- Designed and implemented a web-based banking application prototype for clients at a well-known bank
- Used Angular to develop application front end, ensuring a seamless user experience and maintainable codebase
- Used Java, Spring Boot, Microsoft SQL Server, Spring Data JPA and Hibernate to develop application back end
- Implemented a microservice architecture utilizing Spring Cloud and Spring Cloud Consul, enabling centralized configuration, service discovery, load balancing, resilience and the use of an API gateway
- Hosted application on AWS using EC2 instances, containerizing individual microservices using Docker

Undergraduate Researcher May 2021 – May 2022
Data Mining and Management Lab, University at Albany, SUNY

- Worked with fellow student researchers on intelligent nanomaterial design using novel deep learning methods and generative artificial intelligence with an emphasis on new types of variational autoencoders
- Collaborated with researchers at the University of California, Irvine in efforts to generate the nanomaterials designed via our machine learning methods
- Published research paper with our findings at the 28th ACM SIGKDD Conference on Knowledge Discovery and Data Mining
- Regularly utilized Python libraries/frameworks such as PyTorch, Tensorflow, NumPy, Pandas, Matplotlib

RELEVANT SKILLS

- Programming Languages: Java, Python, TypeScript / JavaScript, HTML/CSS, SQL
- Libraries / Frameworks: Jakarta EE, Spring Boot, Spring Data, Hibernate, MyBatis, Angular, React, Tensorflow, PyTorch, NumPy, Pandas, Matplotlib, Flask, LangChain
- Tools & Technologies: Linux, Windows, MacOS, Amazon Web Services (AWS), Docker, MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, Git, Maven, Gradle, Pip, Anaconda, Google Suite, Microsoft Suite

CERTIFICATIONS & AWARDS

Machine Learning Specialization Certification Received September 2023
Stanford University & DeepLearning.AI, Coursera
AWS Cloud Practitioner Certification Received August 2023
Amazon Web Services (AWS)
Eagle Scout Received March 2017
Boy Scouts of America – Troop 482 – Floral Park, NY