

Keegan Kozler

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PERSONAL STATEMENT

Full-stack software and machine learning engineer with 7 years of experience delivering scalable, data-driven solutions in healthcare and enterprise domains. Adept at bridging engineering, machine learning, and product strategy, with a track record of technical leadership, mentoring, and cross-functional collaboration. Currently transitioning into product engineering leadership roles with a focus on applied AI and user-centric development.

TECHNICAL EXPERIENCE

X by 2 - Farmington Hills, MI

January 2023 to Present

Machine Learning Engineer, Choreo-ED

- Developed deep learning models to predict emergency department patient disposition with 50% recall at 90% precision, aimed at improving patient flow, reducing care team burden, increasing hospital revenue, and enhancing patient outcomes.
- Extended and customized a dbt pipeline with over 100 models to transform EHR data into training and evaluation samples.
- Collaborated with MLOps to build out cloud infrastructure, enabling secure remote development with GPU-equipped compute clusters, while keeping costs under \$1,500/month.
- Worked closely with emergency physicians, hospitalists, nurses, and executives to validate the clinical integrity of machine learning outputs.
- Bridged the gap between product and ML engineering by mentoring app developers on machine learning development, fostering efficient cross-disciplinary collaboration.
- Implemented strategic enhancements to core modules, improving pipeline execution speed by 10x, consolidating the tech stack, simplifying code, and establishing a precedent for quality with >95% unit test coverage.
- Owned major work streams in product implementation across hospital emergency departments.
- Led technical demos for emergency department stakeholders nationwide, translating technical insights into clinical value to support adoption.

Senior Consultant, Application Modernization Project

- Led a full-scale rewrite of a complex ExtJS application using Angular 15, saving the client \$10,000 per developer per year and significantly improving maintainability.
- Designed and implemented a Node.js application to dynamically generate Angular components from ExtJS views, automating boilerplate and saving 10–20% of developer time per component.
- Mentored five developers, enhancing overall code quality and problem-solving across the team.

ProModel/BigBear.ai

June 2018 to December 2022

Lead Software Engineer

March 2022 to December 2022

Senior Software Engineer

May 2021 to March 2022

Software Engineer

February 2020 to May 2021

QA Analyst/Software Developer

June 2018 to February 2020

- Led a team of 3–5 engineers in enterprise software development, contributed code reviews, and participated in annual performance evaluations.
- Championed Agile adoption as scrum master, collaborating with product and program managers to define features, empower developers, and improve backlog ownership.
- Spearheaded the migration of a .NET Framework application to .NET 6, reducing tech debt and enabling modern DevOps practices.
- Planned and initiated the upgrade of a legacy AngularJS frontend to Angular 15, reducing technical risk and improving long-term stability.
- Managed quarterly releases to on-premises environments for 5–6 clients, coordinating with client IT teams to minimize downtime.
- Diagnosed and resolved client issues using robust logging and live troubleshooting, earning trust with major clients.
- Played a pivotal role in shaping product direction through client discovery sessions, refining features and prioritizing roadmap items aligned with user needs.

EDUCATION

Georgia Institute of Technology

Master of Science, Major: Computer Science, Specialization: Machine learning

- *Coursework*: Machine learning, deep learning, reinforcement learning, natural language processing

Thomas Edison State University

Bachelor of Arts, Major: Computer Science

- *Coursework*: C/C++ programming, operating systems, artificial intelligence

SKILLS

Front-End: JavaScript, TypeScript, Angular, React, HTML, CSS, d3.js

Back-End: C#, .NET, Entity Framework, Java Spring Boot, Docker, Node.js, Python

Data: SQL Server, Oracle, PostgreSQL, DuckDB, Apache Ignite, dbt

Machine Learning: Python, pandas, TensorFlow, Keras, PyTorch, scikit-learn, Weights and Biases

Cloud: AWS, Azure, Google Colab

Testing & QA: Selenium, NUnit, jest, pytest

CI/CD: TeamCity, GitHub Actions, Bitbucket Pipelines

Collaboration & Project Management: Jira, Azure DevOps, Bitbucket, GitHub

Healthcare Standards: FHIR, FHIRPath, HL7 v2