

Alex Rendler

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EDUCATION

University of Arizona, College of Science

Bachelor of Arts in Computer Science

Minor: Business Administration

Honors: Viviane & Steve Franklin Scholarship, Arizona Recognition Award

Tucson, AZ

Grad Date May 2024

PROFESSIONAL EXPERIENCE & PROJECTS

Nexus Brokerage (IAM, AWS IAM, OAuth, PostgreSQL, SvelteKit, Node.js, CI/CD)

Remote

Full Stack Developer

Dec. 2024 – Current

- Developed a full-stack investment analysis platform using React, Node.js, and PostgreSQL, integrating real-time AI-driven financial insights.
- Implemented secure authentication and role-based access control (RBAC) to manage feature access, similar to Epic's tiered access for hospital staff and doctors.
- Designed and optimized RESTful APIs for handling financial data queries, ensuring scalability and low-latency response times.
- Integrated ML models for investment trend prediction, leveraging data-driven decision-making for portfolio risk assessment.
- Maintained high standards for software quality by conducting code reviews, implementing unit testing, and debugging complex system interactions.

StatsX Sports Analyzer (React, Python, MongoDB, Flask, CI/CD, Python, AWS)

San Diego, CA

Full Stack Developer

Oct. 2024 – Dec. 2024

- Developed predictive modeling algorithms to analyze NFL player performance trends.
- Built a scalable full-stack web application (React, Node.js, Python, SQL) for data analytics visualization, mirroring Epic's predictive healthcare dashboards.
- Combined API integrations and web scraping to collect real-time player data, ensuring accurate predictions and insights.
- Deployed on AWS, ensuring high availability and scalability for high-volume data processing.

Aevex Aerospace (C, C++, JavaScript, Linux, Bash, MongoDB)

San Diego, CA

Software Engineer Intern

Jul. 2022 – Aug. 2022

- Assisted in data processing pipelines for real-time aircraft monitoring using Python & SQL.
- Collaborated with senior engineers to debug and optimize high-performance data systems.
- Gained exposure to agile methodologies and full-stack development, actively participating in code reviews and team discussions.
- Designed & implemented automation scripts to streamline data collection and processing.

ACADEMIC EXPERIENCE

University of Arizona - Cloud Computing Course (React, Python, Flask, MongoDB, AWS)

Tucson, AZ

Security-Focused Cloud Developer

Aug. 2021 – May 2024

- Designed high-volume database models in PostgreSQL & MongoDB, optimizing data retrieval.
- Developed real-time processing APIs to handle dynamic user interactions.
- Deployed containerized services using Docker & AWS Lambda for scalable computing solutions.

Sigma Alpha Mu (Leadership, Communication, Innovation)

Tucson, AZ

Vice President of Communications, Philanthropy Chair

Aug. 2021 – May 2024

- Managed event organization and fundraising efforts, optimizing workflows using data-driven insights.
- Led team initiatives with a focus on collaboration and agile decision-making, ensuring clear communication across stakeholders.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS (IAM, ECS, Lambda, S3), Docker, CI/CD Pipelines, Redis

Data & AI: Web Scraping, Data Pipelines, AI-Driven Insights, Elasticsearch

Development & Tooling: GitHub Actions, Agile Development, Unit Testing, Feature Experimentation

