Evan Mastro

Software Engineer | Data Engineering & Cloud Solutions

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SUMMARY

Data-driven Software Engineer with 4+ years of experience building scalable software and cloud solutions. Skilled in developing ETL pipelines, cloud-native applications, and data-driven dashboards using Python, SQL, AWS/GCP, and Spark. Proven success delivering high-quality code across the full SDLC, optimizing performance, and collaborating with senior engineers in agile teams. Passionate about transforming raw data into actionable insights and applying cutting-edge technologies, including AI and big data frameworks.

TECHNICAL SKILLS

Programming: Python, JavaScript (ES6+), TypeScript, SQL, Shell Scripting, Java (Spring Boot basics)

Data Engineering: ETL Pipelines, Data Cleaning/Transformation, Spark, PySpark, Hive, Databricks, Jupyter

Cloud & DevOps: AWS (S3, EC2, EMR, Lambda, DynamoDB), GCP (BigQuery, Dataflow), Docker, Kubernetes, CI/CD

Databases: PostgreSQL, MongoDB, NoSQL (DynamoDB, Cassandra basics)

Visualization & Tools: Tableau, Highcharts, Chart.js, d3.js

Methodologies: Agile/Scrum, Code Reviews, Defect Remediation, Performance Optimization

SOFTWARE EGINEERING PROJECTS

Backend Developer | Question & Answers REST API: *Scaled Q&A microservice for an e-commerce site to handle 2200 RPS with 55M records*

- Rendered sortable, paginated reviews using React, using modular UI/UX with bundled CSS
- Coordinated with team to build reusable components across different sections and widgets
- Built interactive charts and dashboards to display contractor performance metrics using HighCharts
- Integrated AWS services for scalable data management and application hosting

Frontend Developer | Help Me Out: *Web app platform for hiring local contractors with sortable reviews and real-time chat*

- Rendered sortable, paginated reviews using React, using modular UI/UX with bundled CSS
- Coordinated with team to build reusable components across different sections and widgets
- Designed and integrated RESTful APIs for seamless data retrieval and manipulation
- Integrated socket.io for real-time chat functionality between users

EXPERIENCE

SharePoint Developer / Power Platform Engineer - IT / Web Team @ FRCSW   *CreativeIT Solutions LLC 2025-Current*

- Developed an automated process to export SharePoint lists to Excel for NMCI team reporting.
- Built a "Safety Shoe Reimbursement" Power App for the Safety and Compliance team, streamlining internal requests and approvals.
- Recovered and restored a legacy Microsoft Access database with embedded Visual Basic, enabling continued use by the manufacturing/production team.
- Designed and implemented an ETL pipeline to migrate Access database records into SharePoint lists.
- Integrated the new SharePoint backend with a custom Power App for streamlined CRUD operations and reporting.
- Regularly maintain and update the SharePoint site, including handling permission requests and access control
- Provide user support and training for app users across multiple departments.

Software Engineer   *Outlier.AI 2024*

- Contributed to pioneering data science and AI initiatives.
- Collaborated within a skilled team to develop and refine AI-driven solutions.
- Developed scalable, client-facing web applications that use data science techniques to offer actionable insights.
- Revolutionized data for diverse industries.
- Directly influenced client success by delivering actionable insights.
- Actively engaged in continuous learning and use of innovative technologies.
- Worked across the full stack to deliver robust and user-friendly dashboards for clients.

Software Developer   *ANSOL, Inc. 2022- 2024*

- Developed innovative software applications to improve information integration and tracking for DoD programs.

- Automated analysis of 30,000+ tasks in Microsoft Project using VB scripts, generating bi-weekly reports.
- Developed and enhanced custom JavaScript applications hosted on Microsoft SharePoint, using SharePoint Lists and Libraries as the database and integrating XML and REST calls for seamless functionality.
- Led a team of 3 developers in planning, development, and deployment of a new web application.

Information Systems Manager   *Mastro Real Estate 2019 -2021*

- Created and managed business website with user-friendly UX/UI for client engagement and document handling.
- Managed daily office operations, including scheduling, correspondence, and record-keeping to ensure efficient workflow and support for business activities.

EDUCATION

Galvanize (Hack Reactor) Software Engineering Immersive   *Denver, CO, 2021*
Advanced Software Engineering Program

University of Colorado   *Boulder, CO, 2018*
Leeds School of Business