Montre Davis

Email: davis.montre@gmail.com | Phone: 469-647-1464 | GitHub: github.com/tredavis | Blog: medium.com/@montre.davis

# SUMMARY

Senior Full Stack Engineer with 8+ years of experience delivering robust, scalable solutions using Python, TypeScript, React, and modern cloud technologies. Skilled at leveraging data engineering and large-scale system design to implement AI/ML solutions addressing real-world challenges. Known for successfully guiding teams through complex projects, from multi-page web apps to single-page applications. Committed to efficiency, user-centric design, and continuous improvement in fast-paced environments.

# SKILLS

* Languages: Python, TypeScript, JavaScript, C#, Go
* Databases: SQL Server, MySQL, MongoDB, DynamoDB
* Frameworks/Tools: React, Node.js, Docker, Kubernetes, Flask, Django, GraphQL, .NET, Spring Boot, ASP.NET Core, Angular, AWS, Azure, PowerShell
* AI/ML: MLOps, TensorFlow, PyTorch, Keras
* Development Practices: Agile/Scrum, CI/CD, TDD, Microservices Architecture
* Other Tools: Git, JIRA, NUnit, Entity Framework, LINQ to SQL, Ignite UI, D3.js

# EXPERIENCE

**Senior Software Engineer – Contract  
San Francisco Forty Niners  
Dec 2022 – May 2024 (1 year 6 months)**

* Automated data ingestion pipelines, reducing manual processes by 75%, enabling scouts, R&D, and executives to make data-driven decisions.
* Co-led Prospector 2.0 redesign (JavaScript/jQuery to React) to enhance user interaction, data readability, and mobile accessibility.
* Extracted and integrated complex data from NFL PDFs and Excel files into Prospector for real-time analytics.
* Migrated ETL processes to Azure, cutting manual intervention by 60% and boosting reliability.
* Collaborated with cross-functional leaders (Assistant GM, Director of College Scouting, Director of Video) to troubleshoot issues and integrate video services efficiently.

Technologies used: Python, Flask, Azure, D3.js, SQL Server, Databricks

**Senior Software Engineer – Full Time  
Pantheon Platform  
Dec 2020 – Dec 2022 (2 years 1 month)**

* Served as Tech Lead to implement Domain Name Self-Service microservice, allowing seamless DNS changes for Pantheon sites.
* Refactored monolithic billing functionality into a dedicated microservice, integrating a third-party billing system to manage customer accounts.
* Built 2FA capabilities to secure user accounts, partnering with design, product, and backend teams; wrote TDD tests to ensure robust coverage.
* Maintained Kubernetes clusters in collaboration with DevOps, improving reliability and scalability.
* Enhanced front-end performance by exposing data via GraphQL, reducing load times by 30%.

Technologies used: Python, Django, GraphQL, Kubernetes, REST

**Software Engineer – Contract  
JP Morgan Chase  
Apr 2020 – Jan 2021 (9 months)**

* Designed and developed new internal applications for cloud server transition (GAIA), accelerating the bank’s broader cloud initiative.
* Created an additional API to untangle dependencies, improving response times by 35% and introducing robust logging for debugging.
* Recommended strategic architectural improvements to relieve existing pain points, documenting changes in a central repository.
* Led a legacy server migration from .NET to Java (Spring Boot), mentoring teammates in modern best practices.
* Provided on-call support for the U.S. team, ensuring smooth EMEA hand-offs for incident resolution.

Technologies used: Java (Spring Boot), GAIA, Mockito, C#, .NET

**Software Engineer – Contract  
MedData  
Apr 2019 – Apr 2020 (1 year)**

* Developed an internal API to streamline onboarding by integrating iCIMS, ADP, and Cherwell, improving HR and Infrastructure workflows.
* Enhanced a healthcare eligibility sweep application, boosting accuracy and performance by 25%.
* Balanced cross-department requirements to create scalable solutions that satisfied stakeholders.
* Guided peers on transitioning from TFS to Git, improving collaboration and version control.
* Built automation scripts to reduce manual processes in healthcare eligibility sweep tasks.

Technologies used: C#/.NET, Web API ASP.NET Core, SQL

**Software Engineer – Contract  
Shell Federal Credit Union  
May 2018 – Apr 2019 (1 year)**

* Architected microservice-style applications, acting as the principal full-stack engineer for the organization’s main website.
* Built a chatbot via Quiq API to expedite customer service inquiries, gathering member data for faster resolutions.
* Created an internal video platform (Shell TV) to solve email bandwidth issues.
* Maintained ADA compliance and updated website content per marketing requirements.
* Leveraged AWS JavaScript SDK to automate deployments, minimizing downtime.

Technologies used: C#/.NET, Node.js, Express, MongoDB, MySQL, T-SQL, Angular 7, AWS (EC2, Auto Scaling, Load Balancing), PowerShell

**Software Engineer I – Full Time  
Beck Technology  
Jan 2016 – Aug 2017 (1 year 8 months)**

* Built new features for DESTINI Estimator and Data Manager targeting the AEC industry, while maintaining existing .NET codebases.
* Integrated Navisworks API for a 3D viewer solution to facilitate 3D model takeoffs.
* Partnered with senior devs to design system architectures in an agile environment.
* Kept pace with new and emerging tools through regular training.
* Collaborated with The Beck Group’s AEC professionals to improve product features and eliminate roadblocks.

Technologies used: C#/.NET, MVVM, WPF, Navisworks API, XAML, JIRA

**Full Stack Web Developer – Contract  
Red Cedar Solutions Group  
Apr 2015 – Jan 2016 (10 months)**

* Created and maintained web applications for the Michigan Department of Education using peer-programming and code-review practices.
* Leveraged MVC design patterns with LINQ to SQL and Entity Framework for reusable, scalable systems.
* Coordinated with PMs in scrums to maintain consistent project velocity.
* Suggested UI/UX improvements alongside the design team for a more user-friendly experience.

Technologies used: C#, .NET MVC, T-SQL, Entity Framework, LINQ to SQL, NUnit, JavaScript, jQuery, Ignite UI

# EDUCATION

* Rice University | Certification, AI/ML (July 2024 – Jan 2025)
* Coder Camps | Full Stack .NET Certification (Jan 2015 – Apr 2015)

# ADDITIONAL HIGHLIGHTS

* Data-Driven Approach: Skilled in leveraging SQL, Python, and data pipelines for real-time and batch analytics.
* AI/ML Enthusiast: Currently building machine learning projects (including coursework at Rice) to gain deeper hands-on expertise with TensorFlow and PyTorch.
* Cross-Team Collaboration: Adept at coordinating with designers, PMs, and executives for user-friendly, high-impact solutions.
* Mentoring & Leadership: Guides junior engineers, conducts thorough code reviews, and sets coding standards.
* Performance & Scalability: Designs resilient applications capable of handling real-time, high-frequency workloads in cloud ecosystems.