

Montre Davis

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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.