

Jesse Dorsey

LinkedIn: <https://linkedin.com/in/jessedorsey> | WEB: <https://jessedorsey.com>

Summary

Senior engineering leader with 15+ years in software development, architecture, and team management. Proven expertise in modernizing legacy systems, driving DevOps, and leading high-impact engineering teams. Focused on optimizing cost, performance, and revenue through strategic technical initiatives.

Experience

Sparen Homes

Tech Lead / Chief Technology Officer (Contract) | Jan 2022 - Present

- Led 5-person team transitioning real estate platform from prototype to production using Vue.js, Django and Node.js, reducing costs by 50% and achieving sub-1 second page loads
- Established structured one-on-one meetings and career development plans, improving team growth and retention
- Mentored product team and general staff in system architecture, scalability, cybersecurity, and best practices, fostering a high-performance engineering culture organization wide
- Architected financial processing stack with Plaid/Stripe integrations for marketplace transactions
- Developed real estate data pipeline with Attom API and ML algorithms for property valuation and buyer qualification
- Collaborated on investor pitches, helping secure partnerships contributing to nearly \$1M in funding

Mansa

Technical Co-Founder | March 2021 - December 2021

- Designed and built the full proof-of-concept (POC) platform using Vue.js and Django
- Developed all software architecture and infrastructure for scalability
- Produced, scripted, filmed, and edited audiovisual content hosted on the platform

General Motors

Senior Software Engineer | June 2018 - March 2021

- Led agile transformation for in-vehicle apps team, reducing rework and improving efficiency
- Modernized DevOps, migrating CI/CD from shadow IT to sanctioned systems, consolidating build paths
- Automated rebranding/building of 12 apps across 3 tech platforms and 4 brands using Jenkins
- Developed shared component library for in-vehicle apps, enhancing cross-platform consistency
- Designed and implemented UI/messaging architecture for next-gen rear-seat infotainment (Vue.js, Linux/WebOS)
- Built vehicle personalization and trailering system prototypes, with features selected for production
- Contributed to system architecture for software-defined vehicle program

VisionIT

Systems Designer / Developer and Consultant | April 2016 - June 2018

- Architected in-vehicle customer support telepresence system, projected to save \$600K/month
- Built AI-driven vehicle assistant prototype that was presented to GM executive leadership
- Designed scalable cloud infrastructure on AWS for automotive applications

Lochbridge (Formerly Compuware)

Consultant | Jan 2014 - April 2016

- Delivered complex software solutions for enterprise clients with 100% billable utilization
- Designed and built custom in-vehicle applications and tools across multiple technology stacks

Compuware

Systems Designer / Developer | April 2013 - Jan 2014

- Designed and developed core technologies for venture portfolio companies
- Performed technical due diligence for potential investments, directly impacting M&A decisions

Software Developer | Oct 2011 - April 2013

- Full-stack development for multiple portfolio companies including Deadline Detroit, Glocal, Ripple, Wantify
- Served as technical instructor for code camp program in partnership with Quicken Loans & University of Michigan

Previous Roles | May 2007 - Oct 2011

- **Full-time Intern** (2010-2011): Developed applications for Android, iOS, and BlackBerry platforms
- **Summer Intern** (2007-2009): Built extensible report generation library, extended corporate intranet

Skills

Programming: Python, TypeScript, JavaScript, C, C++, Go, Rust, PHP, Ruby

Frameworks: React, Vue.js, Node.js, Django, FastAPI, Flask

Infrastructure: AWS, Azure, CI/CD, Containers, Jenkins, Terraform

Data & AI: Machine Learning, PyTorch, PostgreSQL, MySQL, MongoDB

Methodologies: Agile, DevOps, TDD, System Design

Leadership: Engineering management, product management, project management, cross-functional collaboration, project/vendor management

Education

Michigan Technological University (2007-2009): Computer Science, Business Administration

Wayne State University (2009-2012): Business Administration