

DALTON ORVIS

Full Stack Software Engineer | AI-Accelerated Development Pioneer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer who ships features 50% faster using parallel AI agents. I go beyond using AI tools by building systems where multiple LLMs collaborate on different parts of the same problem. Currently leading Verisk's AI transformation with frameworks that save 50+ dev hours monthly. Built 15+ production apps that contributed to significant client revenue.

SIGNATURE ACHIEVEMENT

Parallel Agent Development Framework | *Personal Innovation & Client Projects* | 2024

- Built a system where multiple AI agents work simultaneously on different development layers
 - Reduced personal feature development from 3 days to 4 hours, methodology now applied to all client projects
 - Shared framework concepts at Verisk, influencing team adoption of AI-accelerated development practices
 - Technologies: Model Context Protocol (MCP), Custom TypeScript orchestration, Multi-LLM coordination
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TECHNICAL SKILLS

AI Engineering: RAG Systems, Vector Databases (Pinecone), Parallel Agent Orchestration, Model Context Protocol (MCP), Prompt Engineering Frameworks, Langchain, Amazon Bedrock, Agentic AI Development

Core Technologies: TypeScript/React, Python/FastAPI, PHP/Laravel, C#/.NET, Next.js, Vue.js, Test-Driven Development

Architecture: Microservices, RESTful/GraphQL APIs, Database Design (MySQL, PostgreSQL, Redis), Distributed Systems, CI/CD

PROFESSIONAL EXPERIENCE

Software Development Engineer in Test II

Verisk Analytics | *Lehi, UT | February 2023 - Present*

- **Lead company's AI initiative.** Evaluate 20+ LLM tools. Create frameworks that boost team velocity 40% and cut costs by \$3k/month. Also build my own parallel agent systems on the side
- **Influence team adoption of AI-accelerated workflows** by demonstrating parallel agent development concepts from personal projects
- **Architect C#/.NET API client library** (NuGet package) transforming department from UI to API-first testing approach
- **Engineer automated solutions** using Azure DevOps APIs and serverless patterns, saving 50+ developer hours monthly
- Promoted early to SDET II for demonstrating senior-level contributions and AI innovation leadership

Full Stack Software Engineer - Independent & Contract

Freelance Development | *Salt Lake City, UT | January 2020 - Present*

- **Delivered 15+ production applications** contributing to significant client revenue using my parallel agent development methodology
- **Built personal Retrieval Augmented Generation (RAG) system** with Pinecone vector database, indexing 50+ personal documents to create an AI assistant with context-aware, long-term memory
- **Pioneered MCP server implementations** before widespread adoption, creating practical agentic AI applications
- **Developed AI-driven text adventure platform** using React/TypeScript with GPT-4o integration for dynamic narrative generation
- **Built NutriSimple, a calorie and macro nutrient tracking PWA** with Vue.js/Python stack achieving organic user growth and devoted user base

Full Stack Software Engineer - Contract

Nine Design + Web | *Salt Lake City, UT | January 2023 - January 2024*

- **Built enterprise social platform with Laravel 8/PHP.** Added Redis queues for heavy database operations, cutting response times 65% and supporting 5x more concurrent users
- Implemented multi-tenant architecture using Laravel Sanctum and custom middleware. Isolated tenant data via database-level separation, supporting 20+ enterprise clients on single codebase

Full Stack Web Developer

Maiden Voyage Software | *Ogden, UT | September 2022 - January 2023*

- **Built Laravel/PHP CRM features processing 10K+ daily customer interactions.** Revamped entire authentication layer with super user role guards, eliminating unauthorized access vulnerabilities
- Fixed N+1 query issues and implemented background job processing for data-heavy operations. Achieved 3x faster page loads and 80% reduction in database load
- Developed a React component library with Storybook for a new client application, improving development speed and consistency across projects
- Greenfielded new client CRM application including database design, API architecture, and Vue.js frontend. Schema design decisions enabled 5x user growth without refactoring

Research Associate and Automation Specialist

Scintillant Bioscience | *Murray, UT* | *January 2020 - January 2023*

- Brought scientific rigor to software development through hypothesis-driven design, testing, and experimentation
 - Automated data workflows using Python/Pandas, reducing 30+ minute processes to sub-second execution
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EDUCATION

Bachelor of Science in Computer Science - Weber State University | *Aug 2020 - January 2023* | GPA: 4.0

Bachelor of Science in Biology, Philosophy - Utah Valley University | *Aug 2013 - May 2018*