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# Dave Morse

## Software Developer | DevOps Engineer

[www.morse.biz](http://www.morse.biz)

St Louis, MO

### SUMMARY

Experienced software developer and developing DevOps engineer with a background in full stack web development, operationalizing software, scalable cloud architecture, observability, building great teams, and delighting users; well-practiced in agile methodology, mentoring, testing, and delivering innovative solutions; professional experience in technologies including JavaScript (TypeScript, React, Next.js, Jest, Node.js), Python (PyTorch, NumPy, pandas, Boto3, openpyxl, FastAPI, Flask, pytest), Ruby, Common LISP, Bash, DevOps (Terraform, Kubernetes, Docker), Storage (Postgres, MySQL, Redis), and Monitoring & Alerting (Grafana, New Relic, DataDog, SumoLogic, AWS CloudWatch).

### SOFTWARE DEVELOPMENT EXPERIENCE

#### **Worldwide Technology, St Louis** - *Senior Software Developer / Consultant*

JULY 2019 - PRESENT

- 2025 - DevOps, Python, & AWS
  - Earned Kubernetes & Cloud Native certification
  - Delivered collaborative AWS tag editor - Python / boto3 / MS Excel
- 2024 - Operationalized a sprawling new VR software project
  - Designed monitoring & alerting system with Grafana/New Relic/AWS CW
  - Maintained Terraform/Kubernetes/AWS infrastructure
  - Collaborated to tighten AWS security policies & automated checkups
  - Earned
- 2023 - Front End Developer for a sprawling new VR software project
  - Built Next.js, React, RTKQuery, Redux app
  - Spearheaded team patterns for API calls, Typescript, unit-testing, etc.
  - Four months from 'git init' to commercial launch on a 20-person team
- 2022 - Back End Developer for a podcast app
  - Five Nest.js/Postgres/Redis microservices
  - Designed NPM package publishing architecture to de-dupe common code
  - Optimized high-throughput system using DataDog
- 2021 - Front End Developer for Little Caesars Pizza
  - Internationalized a React app - currency, language, and time
  - Met customer needs for regional franchise business practices
  - Nurtured team decision making and architectural patterns

- 2020 - Front End Developer for a medical billing company
  - Implemented extensive CRUD in React on a tight deadline
  - Designed Excel-to-React import feature of inventory data, with type-checking and specific feedback for errors implemented in an extensible functional style
- 2019 - Front End Developer for a personality test site
  - React, Typescript, Tailwind
  - Worked with UX researchers and designers to maximize usability

### **LaunchCode, St Louis** - *Software Developer*

APRIL 2016 - JUNE 2019

- Developed and maintained features for a Ruby on Rails/JQuery monolith
- Collaborated with end-users and measured UI tweaks' effectiveness
- Mentored apprentices

### **Nichimen Graphics, Los Angeles** - *Junior Software Developer*

1996 - 2000

- Learned applied functional programming from veterans of the Lisp Machine era
- Developed high-performance 3D graphics code for IRIX and Windows workstations

## **EDUCATION**

### **Grinnell College, Iowa** - *Bachelor of Arts in Computer Science*

1991 - 1996

- Focused on applied software development
- Concentrations in Physics and Mathematics

## **CERTIFICATIONS**

- Nvidia Certified Associate | Generative AI LLMs
- Kubernetes & Cloud Native Associate | Linux Foundation