

# MATTHEW NICHOLSON

Software Developer | Technical Support Specialist

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[Blog](#) | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

## TECHNICAL SKILLS

**AI/LLM:** Claude Code, Claude API, Model Context Protocol (MCP), Prompt Engineering

**Languages & Frameworks:** JavaScript, TypeScript, Python, SQL | Next.js, React.js, Vue.js, Node.js, Express.js, FastAPI

**Databases & Tools:** PostgreSQL, MongoDB, MySQL, BigQuery | Datadog, Git, Playwright, Postman, Google Looker

**Cloud & Infrastructure:** Google Cloud Platform, AWS S3, Kubernetes, Docker, Vercel, Render | REST APIs, OAuth/SAML

## WORK EXPERIENCE

### Jr. Software Developer

APG&E | Full Time | 06/2025 to Current

Tech: Vue.js, SQL, MongoDB, Google Looker, BigQuery, Git, Datadog

- Serve as primary technical support for cross-functional teams (Sales, Marketing, Finance), responding to 10-15 weekly requests with ~4-hour first response time and 90%+ same-day resolution
- Troubleshoot diverse technical issues including custom deal configurations, payment API debugging, Looker dashboard issues, and SQL query optimization
- Collaborate with other engineers to diagnose complex production issues using Datadog logs and API debugging to identify root causes and implement fixes
- Created incident response playbook documenting troubleshooting procedures, reducing repeat support tickets
- Implemented Datadog logging across microservices, improving error traceability and reducing time to diagnosis
- Integrated Tilt and Kubernetes for local development, reducing setup time from 5-10 minutes to under 1 minute for 11-person team

### Full-Stack Developer

On The Glow Up Media | Contract | 11/2023 to 07/2024

- Developed client websites from Figma designs using Next.js with SSR, improving Google PageSpeed scores from 45 to 95
- Optimized codebase using component libraries (Bootstrap, ShadCN), increasing accessibility from 70 to 95 based on PageSpeed metrics
- Integrated three headless CMS platforms (Contentful, Builder.io, Sanity), enabling client content independence

## PROJECTS

### Brain Rot Generator | [Blog Post](#) | [Demo](#) | [GitHub](#)

Tech: Claude Code, Claude API, Firebase MCP, Next.js, Google Cloud, ElevenLabs

- Built AI content platform using Claude Code and Claude API, gaining hands-on experience with prompt engineering, context management, and LLM limitations
- Implemented Firebase MCP for serverless data management, demonstrating practical application of Anthropic's Model Context Protocol
- Automated daily video generation pipeline with cron scheduling and AI audio via ElevenLabs, processing 30+ videos monthly

### Finance Tracker | [Demo](#) | [GitHub](#)

Tech: Next.js, Prisma, PostgreSQL, ShadCN UI, NextAuth

- Built full-stack finance tracker with accessibility-first design using ARIA labels and keyboard navigation
- Implemented dynamic form generation with custom React hooks and reusable CRUD utilities

## EDUCATION

Software Engineering | App Academy | 07/2024 to 01/2025

Full-Stack Engineering | Codecademy | 11/2022 to 12/2023