

CONTACT

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TECHNICAL SKILLS

Programming & Frameworks:

Node.js, Express.js, Vue.js, Tailwind CSS, Vite, JavaScript (ES6+), PHP, Python, SASS/SCSS, test-driven development

Databases & Stores:

MongoDB, MySQL, Postgres, SQLite, InfluxDB, Redis, memcached

AI & Machine Learning:

ChatGPT, YOLO, Google Gemini, Ollama, Piper, Whisper

Tools & Platforms:

Docker, Git, Linux, AWS, Virtual Machines, CloudFlare

APIs & Integrations:

RESTful, SOAP, SaaS, GitHub actions, LDAP

DevOps & Infrastructure:

AWS, Apache, NGINX, Virtual Machines, CloudFlare, microservices, CI/CD

Visualization & Monitoring:

Node-RED, Grafana, Google Tag Manager, HubSpot, Google Analytics

IoT & Home Automation:

MQTT, Zigbee, ESP32, automation

JESSE KAUFMAN

SOFTWARE DEVELOPER

Lifelong code monkey and data dork focused on innovative solutions and living outside the box. Backend developer with expertise in Node.js, Express.js, MongoDB, MySQL, Docker, and cloud infrastructure. Passionate about building scalable systems, streamlining workflows, and transitioning from PHP to Node.js.

PROFESSIONAL EXPERIENCE

Senior Developer

MAR 2019–NOV 2023

Transitions Group, Inc.—Wichita, KS

- **Developed and maintained backend applications**, optimizing database performance and ensuring system reliability.
- **Integrated third-party APIs** (Experian, HubSpot, Google Analytics) to automate workflows and improve data accessibility.
- **Built a custom reporting system using MySQL**, reducing manual data entry and improving reporting efficiency.
- **Managed Linux server environments**, optimizing performance, security, and uptime.
- **Automated marketing data pipelines**, improving SEO tracking and campaign analysis.

Senior Web Developer / Data Analyst

2011–2016

Bethel College—North Newton, KS

- **Designed and developed a custom CMS**, optimizing for security, performance, and scalability.
- **Created internal tools & dashboards** to automate workflows and improve operational efficiency.
- **Developed a digital archive system**, enhancing search functionality and historical content accessibility.
- **Integrated Active Directory & Jenzabar CX** with internal applications, streamlining user management.

Senior Web Developer

2007–2011

The Bill Guy Technology Solutions, Inc.—Wichita, KS

- **Developed custom CMS solutions for clients**, improving usability and efficiency.
- **Built scalable web applications using PHP/MySQL**, optimizing database performance.
- **Integrated hospital ER staffing and billing systems**, enhancing data accuracy across multiple facilities while observing best practices for data privacy.
- **Managed Linux server environments**, ensuring uptime and security for critical business operations.

EDUCATION

HESSTON COLLEGE
2001 - 2003

Two associate degrees in
Computer Information
Technologies

Senior Graphic Designer

JAN 2017–MAR 2019

Network Marketing Pro, Inc. — Wichita, KS

- Designed branding, motion graphics, and websites for large-scale events.
- Optimized tech services, resulting in \$100K+ annual savings.

RELEVANT PROJECTS & PERSONAL DEVELOPMENT

Backend & API Development (Node.js & MongoDB)

- Designed a plant tracking API using Node.js, Express.js, and MongoDB, implementing test-driven development (TDD).
- Developed CLI tools in Node.js for automating tasks, including video conversion and system monitoring.

DevOps & Infrastructure

- Managed a microservices infrastructure with 50+ Dockerized services across multiple servers, ensuring scalability.
- Optimized home automation workflows using Node-RED, MQTT, and cloud-based services.

Automation & AI Integration

- **Smart Lighting:** Fully automated lighting based on presence detection and room occupancy to reduce energy consumption and improve convenience.
- **Smart Chore Notifications:** Set up chore reminders to help keep the household on track with tasks such as putting out the trash.
- **ADHD Reminders:** Developed alerts for forgotten items, such as clothes left in the wash or food in the microwave, reducing waste and improving efficiency.
- **Family Announcements:** Automated morning announcements to wake up the kids and provide weather-appropriate clothing suggestions.
- **Indoor Plant Care:** Built a fully automated plant care system that manages light schedules, humidity/temperature control, watering schedules, and water level monitoring to optimize plant growth.