CONTACT

📞 316-461-1421

✉ jesse@jessekaufman.com

📍 306 E 5th St
Newton, KS 67114

🌐 www.jessekaufman.com

🌐 github.com/jesse-kaufman

TECHNICAL SKILLS

Programming & Frameworks:
Modern JavaScript (ES6+), Node.js, Express, Pug, PHP, SASS/SCSS, Python

Databases & Stores:
MongoDB, MySQL, InfluxDB, Postgres, SQLite, Redis, memcached

AI & Machine Learning:
ChatGPT, YOLO, Google Gemini, Whisper

Tools & Platforms:
Docker, Git, Linux, WordPress, WooCommerce

APIs & Integrations:
REST, SOAP, SaaS, LDAP, Experian API

DevOps & Infrastructure:
AWS, Apache, NGINX, Virtual Machines, CloudFlare, microservices

Visualization & Monitoring:
Grafana, Google Tag Manager, Google Analytics, HubSpot

IoT:
MQTT, Zigbee, Node-RED, ESP32, automation

JESSE KAUFMAN
SOFTWARE DEVELOPER

Backend developer specializing in API development, database management, and automation. Proficient in Node.js, Express.js, and MongoDB, with expertise in backend architecture, cloud technologies, and modern development patterns. Passionate about building scalable, efficient systems.

PROFESSIONAL EXPERIENCE

Senior Developer   MAR 2019–NOV 2023
Transitions Group, Inc.—Wichita, KS

- **Backend Solutions Integration:** Led the design and implementation of backend solutions, integrating third-party APIs and automating processes, resulting in more efficient workflows and enhanced data-driven applications.
- **Custom Reporting System:** Architected a custom reporting system using MySQL to replace outdated spreadsheets, significantly streamlining data access and reducing reporting time and minimizing the potential for human error.
- **Credit Check Automation:** Developed and deployed an automated credit check system using Experian APIs, eliminating manual processing and accelerating turnaround time.
- **Server Performance Management:** Managed and optimized Linux server environments for improved performance and reliability, ensuring the stability of critical business operations.
- **Marketing Data Optimization:** Spearheaded backend integrations for SEO, Google Analytics, and HubSpot, improving marketing data insights and automating key processes to enhance campaign effectiveness.

Senior Web Developer / Data Analyst   2011–2016
Bethel College—North Newton, KS

- **Custom CMS:** Designed and led the development of a custom CMS for the college's website, optimizing for security, performance, and scalability to support high-traffic usage.
- **Internal Tools & Dashboards:** Architected and implemented internal tools and dashboards for campus operations, leveraging APIs and backend scripting to automate workflows and improve decision-making.
- **Digital Archive System:** Designed and deployed a digital archive system, significantly enhancing search functionality and accessibility for historical content across the organization.
- **System Integration:** Led the integration of Active Directory and Jenzabar CX with internal applications, streamlining user management through automated processes and improving operational efficiency.

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, while optimizing tech services to **save $100K annually.**

Senior Web Developer   2007–2011
The Bill Guy Technology Solutions, Inc.—Wichita, KS

- **Custom CMS Creation:** Designed, developed, and launched a custom CMS, streamlining content management for clients and significantly improving operational efficiency.
- **PHP/MySQL Solutions:** Engineered dynamic, scalable web applications using PHP/MySQL, tailoring solutions to meet specific client needs and enhancing user experience.
- **System Integration:** Led the development of a complex data transfer project, integrating disparate hospital systems, ER staffing, and billing platforms across multiple hospitals, enhancing data accuracy and optimizing operational workflows.
- **Linux Administration:** Managed and optimized Linux hosting environments, ensuring maximum uptime, security, and system performance for critical business operations.

PERSONAL DEVELOPMENT PROJECTS

- **Custom AI Model Training:** Designed and trained a machine learning model to detect trash cans in security camera images, streamlining trash pickup reminders and reducing notification fatigue.
- **Digital Evidence Management:** Developed and deployed a secure web-based system using Node.js, Express.js, MongoDB, and Grafana to organize and analyze digital evidence for a law enforcement case, improving investigation efficiency.
- **Microservices Infrastructure:** Architected and managed a microservices architecture with 50+ Dockerized services across multiple servers, ensuring scalability, high availability, and operational efficiency.
- **Automation Tools:** Developed a suite of Node.js CLI tools to streamline workflows, including a custom wrapper for ffmpeg to automate video conversion for specific format requirements.
- **Advanced Home Automation System:** Designed and implemented a comprehensive system using Node-RED, integrating smart features to optimize daily tasks and improve household efficiency.
  - **Smart Lighting:** Fully automated lighting based on presence detection and room occupancy to reduce energy consumption and improve convenience.
  - **Smart Chore Reminders:** Set up weekly chore reminders to help keep the household on track with tasks such as putting out the trash.
  - **Task Notifications:** 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 as well as remind them to take tablet breaks.
  - **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.