

Caleb Theil
Full-Stack Developer

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PROFESSIONAL SUMMARY

Driven full-stack developer with expertise in TypeScript, React, Next.js, and both SQL and NoSQL databases. Proven ability to lead projects from ideation to deployment, achieving up to 40% improvements in user experience and directly enhancing customer satisfaction and retention. Committed to delivering user-centric solutions that drive revenue growth and efficiency. Consistently contributed to high-quality codebases and innovative solutions, resulting in a 25% increase in development efficiency and securing funding for multiple projects. Strong supporter in collaborative environments, focused on continuous learning and technological advancement.

AREAS OF EXPERTISE

Technical Skills: Frontend: React, TypeScript, JavaScript, Next.js, HTML, CSS, SCSS, Tailwind, Bootstrap
Backend: Node.js, Express, Golang, Python, Rust (basic), MongoDB, Postgres, REST
DevOps: GCP, AWS, Docker, GitHub Actions, CI/CD, Linux
Design & APIs: UX/UI Design, Sentry, Twilio, OpenAI, Algolia

Professional Skills: Strategic Planning, Creative Problem Solving, Professional Development, Data-Driven Decision Making, Relationship Building, Change Management

EXPERIENCE

Freelance Full-Stack Developer | Remote | May 2024 - Present

- Re-developed DigiSign from AppleTV to web using React and Node.js, increasing accessibility and portability from a single Apple TV to 5 Raspberry Pi displays streamlining the installation process significantly boosting user retention by 40%, and decreasing walk-in complaints by 50%.
- Built a Golang API for remote management of signage devices, secured with robust authentication via ngrok tunnel. This project increased admin efficiency by 75%, streamlined device management by reducing task time by 80%, and decreased the device failure rate by 80% through scheduled health checks and remote log checks.
- Ongoing Projects: Negotiating contracts for university-wide application management (University of Colorado Denver and University of Arizona). Planning application development for CUDenver Wellness Center to enhance digital experiences.

Lead Software Developer | Learning Resources Center | Denver, CO | April 2021 - May 2024

- Designed and developed multiple platforms, including a central online platform with React, Next.js, TypeScript, and Firebase. Improved admin efficiency by 60%, reduced client load time by 80%, and enhanced code quality and lighthouse scores by 30%.
- Integrated RFID scanners in iPadOS for enhanced student analytics and targeted communication. Increased data collection accuracy by 70% and reduced manual data entry time by 80%.
- Implemented RESTful APIs using Node.js and Express, foundational for LRC tech infrastructure.
- Led training sessions, improving team proficiency and adoption of new features. Enhanced team proficiency by 60%, reducing the learning curve for new features by 50%, and increasing overall productivity by 20%.
- Conducted code reviews, testing, and debugging, ensuring high-quality performance.
- Crafted pitch decks and presentations, securing executive buy-in for innovative projects.

EDUCATION

Prospective MS in Computer Science | University of Colorado Boulder | Starting: Fall 2025
BFA in Digital Design (Emphasis in UX/UI Design) | University of Colorado Denver

PERSONAL PROJECTS

- Project: Echo: Engineered an AI interaction platform using React, TypeScript, and Tailwind, leveraging the OpenAI API. Hosted on an EC2 instance with Nginx and Certbot for SSL. Amplified AI user interactions and provided tools for effective prompt engineering.
- GoReddit: Created a Reddit replica with Golang, Postgres, and Redis, featuring user authentication, post creation, and comment threads. Demonstrated backend development skills and database management.
- GPT Assistant: Integrated Twilio & OpenAI API to create an interactive SMS platform for educational feedback. Enhanced user engagement through real-time AI-assisted communication.
- HomeLab: Built an automated smart home system using Ubuntu server, Docker, Home Assistant, and custom APIs. Streamlined home automation, showcasing server management and containerization skills.
- Analytix: Conceived a platform for ticket price analysis using Puppeteer and Node.js. Automated data extraction and analysis, providing valuable insights through web scraping and data processing.

ADDITIONAL SKILLS & ACHIEVEMENTS

- Leadership: Directed teams, delegated tasks, and led training sessions.
- Collaboration: Engaged in team projects and design activities, ensuring effective communication.
- Continuous Learning: Constantly learning new technologies and methodologies to improve skills and outcomes.