

Graham Becker

Principal Software Architect | Senior Full-Stack Software Engineer | Engineering Leader

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Professional Summary

Principal Software Architect, Senior Full-Stack Software Engineer, and Engineering Leader with nearly 20 years of experience designing, architecting, developing, deploying, and maintaining production software, cloud-native platforms, mobile applications, REST APIs, and enterprise systems.

Active hands-on engineer combining executive technology leadership with software architecture expertise to deliver scalable solutions supporting global operations across 14 countries. Continues to architect, develop, deploy, and maintain production software using Amazon Web Services (AWS), React.js, React Native, Flutter, Node.js, Python, PHP, Docker, Linux, WebAssembly (WASM), FFmpeg, Whisper AI, and modern browser APIs.

Education

University of Delaware

Computer Science

University of Delaware

Bachelor of Science

Newark, Delaware

Professional Experience

Pyramid Global Partners

Wilmington, DE

Director of Information Technology

July 2008 – Present

Serve as Principal Software Architect, Senior Full-Stack Software Engineer, Engineering Leader, and Technical Lead responsible for software architecture, React.js application development, Amazon Web Services (AWS) cloud infrastructure, Docker-based deployment workflows, DevOps, engineering strategy, cybersecurity, technical mentoring, and enterprise technology initiatives supporting global business operations.

- Architected, developed, and deployed 12+ production iOS and Android applications using React Native, Flutter, JavaScript, and REST APIs for Apple App Store, Google Play, and enterprise distribution.
- Designed, developed, and maintained 12+ production web applications, enterprise websites, REST APIs, and WordPress solutions using React.js, Node.js, Python, PHP, MariaDB, Amazon Web Services (AWS), and Docker, delivering hundreds of production enhancements and new features supporting business operations across 14 countries.
- Architected and operated hybrid cloud infrastructure supporting 14 international offices across 14 countries, approximately 12 production servers, 12+ production websites, 12+ mobile applications, hundreds of Moodle users, and a distributed workforce using Amazon Web Services (AWS), Microsoft 365, Docker, Linux (Ubuntu/RHEL), serverless technologies, Python, and Bash automation while maintaining approximately 99% infrastructure availability.
- Directed the complete Software Development Life Cycle (SDLC), including solution architecture, development, testing, Continuous Integration (CI), Continuous Deployment (CD), and CI/CD pipeline automation using Git, Docker, Bash, and Python for build, deployment, release management, production support, and long-term maintenance.
- Established software architecture standards, React.js development standards, REST API design guidelines, Docker containerization practices, CI/CD pipeline governance, engineering best practices, coding standards, and technical direction for internally developed software.
- Designed and customized enterprise Moodle learning environments supporting hundreds of users, including custom plugins, authentication, reporting, media management, and workflow automation.
- Performed enterprise penetration testing, vulnerability assessments, and security architecture reviews, maintaining zero successful ransomware incidents or external security breaches.

Pyramid Global Partners

Information Technology Manager

Wilmington, DE

July 2007 – July 2008

Established and supported foundational technology operations during a period of organizational growth, including Windows, Linux, networking, servers, technical documentation, and operational standards. Promoted to Director of Information Technology after one year.

G Wiz IT Solutions
Founder & Principal Technology Consultant

Wilmington, DE
2025 – Present

Architect and develop cloud-native software, mobile applications, AI-powered platforms, and enterprise web solutions for startups and small-to-medium businesses.

- Architect scalable cloud-native applications using Amazon Web Services (AWS), Docker, Linux, serverless technologies, and modern deployment pipelines.
- Design and develop production web applications, REST APIs, and cross-platform mobile applications using React.js, React Native, Flutter, Node.js, Python, PHP, and MariaDB.
- Lead software architecture, engineering strategy, cloud modernization, Linux administration, cybersecurity assessments, automation scripting, and technical consulting engagements.
- Deliver end-to-end software solutions following Agile methodologies and the complete Software Development Life Cycle (SDLC).

Selected Projects

SpellShare AI Media Platform

Private Project – Currently in Development

Architecting a browser-native Progressive Web Application (PWA) supporting browser-based AI video generation, automated speech recognition, subtitle generation, AI-powered audio enhancement, and media rendering. Built using React.js, WebAssembly (WASM), FFmpeg, Whisper AI, Python, and modern browser APIs with client-side AI processing and optional cloud-based media services.

Designed for scalable, multi-project content creation and currently under active development; not yet publicly available.

Enterprise Learning Platform

Designed, customized, and continue to enhance enterprise Moodle learning environments supporting **hundreds of users** across international operations. Developed custom plugins, authentication integrations, reporting tools, media management capabilities, and workflow automation tailored to organizational requirements.

Core Technologies

Languages

Python, PHP, JavaScript, SQL, Bash

Frontend

React.js, React Native, Flutter, HTML5, CSS3

Backend

Node.js, Representational State Transfer (REST) APIs, MariaDB, MySQL

Cloud & Infrastructure

Amazon Web Services (AWS), Microsoft 365, Docker
Containerization, Linux (Ubuntu and Red Hat Enterprise Linux), Hybrid Cloud, Serverless Computing

Engineering

Software Development Life Cycle (SDLC), Continuous Integration (CI), Continuous Deployment (CD), Continuous Integration and Continuous Deployment (CI/CD) Pipeline Automation, Git Version Control, Agile Development

Security

Cybersecurity, Penetration Testing, Vulnerability Assessments, Health Insurance Portability and Accountability Act (HIPAA), General Data Protection Regulation (GDPR), Web Content Accessibility Guidelines (WCAG)

Honors

1st Place — Delaware C++ Programming Competition

Top 10 Nationally — C++ Programming Competition