



# DAVEY WALBECK

## *Scaling Systems, Solving Complex Problems & Elevating Engineering Excellence*

### EXECUTIVE BIO

Some engineers fix code, and others design systems. **Davey Walbeck** builds entire ecosystems—modular, scalable, and resilient platforms that efficiently solve real-world problems.

A senior software architect and engineering leader, Davey has spent his career shaping software that runs leaner, performs faster, and scales smarter. He approaches every challenge with technical precision and practical creativity, drawing on a deep command of architecture, cloud infrastructure, and automation to elevate the engineering standards of the teams he supports.

Davey thrives in environments where complexity is the norm and ambiguity sparks innovation. He is equally comfortable redesigning legacy systems while pioneering cloud-native solutions from scratch. With core strengths in software architecture, performance engineering, API development, and CI/CD automation, Davey approaches development as an opportunity to balance clarity and control. Whether leading an infrastructure migration, accelerating application load times, or replacing costly vendor dependencies, he blends strategic foresight with hands-on execution.

His impact is best seen in three defining contributions made across multiple organizations. At **Snap One (Control4)**, he engineered a full redesign of an internal weather service, transforming a 12-second delay into sub-20 millisecond responsiveness while saving \$40K monthly in upstream data calls. While at **Career Step**, he developed and shared a Docker-based local development stack that precisely mirrored production environments, reducing deployment issues by 85% and saving engineers 20% of daily development time. At **GlobalBased Technologies**, he eliminated a \$20K monthly loss by creating an automated billing system that identified more than 1,100 closed accounts still receiving service, ultimately converting the shortfall into \$30K in recurring monthly profit. These outcomes reflect Davey's technical depth and ability to translate system-level improvements into measurable business value.

With fluency in Golang, Node.js, Python, PHP, and multiple database environments including PostgreSQL, MongoDB, and MySQL, Davey builds flexible systems with durability at the core. He is adept at working across cloud platforms such as Amazon Web Services (AWS) and Google Cloud Platform (GCP). He regularly leverages containerization, observability, and orchestration tools such as Docker, Kubernetes, Prometheus, OpenTelemetry, and Grafana. His infrastructure and DevOps toolkit includes Jenkins, GitHub Actions, Fortify, SonarQube, Redis, and Nexus IQ.

Davey is certified as an AWS Solutions Architect and Control4 Automation Programmer and combines formal credentials with practical versatility. His career spans industries as varied as healthcare, financial services, telecommunications, and education technology. He has delivered engineering leadership across client-server environments, microservices architectures, and event-driven systems, always focusing on performance tuning, system integration, and long-term scalability.

With a foundation in architectural design and coursework in psychology, Davey brings a rare combination of systems thinking and human insight to his work. Whether collaborating across teams or mentoring junior engineers, he values communication, accountability, and continuous learning as much as technical mastery. From streamlining backend pipelines to enabling product innovation, Davey Walbeck is the kind of engineering leader who moves systems forward—and makes teams stronger along the way.

## SUMMARY OF PROFESSIONAL HISTORY



From 2023 to 2025, Davey served as a **Senior Software Engineer–Specialist** at **Equifax**, where he played a critical role in advancing the company's microservices infrastructure. As an individual contributor, he developed and deployed stand-alone services using Golang, Python, and PHP, while leading the migration of core systems from Amazon Web Services (AWS) to Google Cloud Platform (GCP). Davey applied rigorous standards for reliability, achieving 99% uptime by enforcing over 80 percent test coverage, implementing comprehensive integration testing, and using automated security and compliance tools such as Fortify, Nexus IQ, and SonarQube. His enhancements to system observability—through tools like OpenTelemetry, Prometheus, Grafana, and DataDog—provided real-time insight into service performance and stability. He also improved deployment processes by configuring Kubernetes-based continuous integration and continuous deployment (CI/CD) pipelines using Docker and Helm. By redesigning service architecture and refining database schemas, Davey significantly increased overall system efficiency and reliability, positioning the platform for long-term scalability and performance in a rapidly evolving environment.

At **SnapOne**, Davey served as a **Staff Software Engineer** from 2019 to 2022, where he was instrumental in modernizing a legacy system into a more agile and efficient microservices architecture. As one of three Amazon Web Services (AWS) administrators, he was key in optimizing infrastructure performance, enforcing identity security protocols, and maintaining reliability across high-volume platforms. In addition to his technical contributions, Davey managed five direct reports, providing mentorship and fostering operational excellence across the team. Among his most notable achievements was the complete redesign of an internal weather service, reducing response time from over 12 seconds to under 20 milliseconds, cutting upstream Application Programming Interface (API) calls by 40%, and saving the company \$40K monthly. He also created an internal API that enabled support staff to independently resolve account-related tasks, reducing cross-team workload by 12%. His efforts to streamline performance across critical services led to increased responsiveness and improved user experience. Davey's leadership in cloud infrastructure administration helped optimize resource usage and reduce latency across multiple production environments, reinforcing his reputation as a systems-focused problem solver who delivers scalable, high-impact solutions.



While serving as a **Senior Software Engineer** at **Career Step** from 2017 to 2019, Davey focused on improving development efficiency, system performance, and service reliability across a distributed architecture. In an individual contributor role, he managed and debugged critical services, implemented new features requested by the product team, and streamlined daily operations through performance tuning and automated tooling. One of his most impactful contributions was creating a fully functional local development environment using Docker Compose, which mirrored production and allowed engineers to test code independently. This solution reduced deployment issues by 85% and saved developers 20% of their daily time. Davey also introduced distributed tracing across microservices, enabling clearer visibility into inter-service communication and significantly accelerating issue resolution. His ability to identify and eliminate performance bottlenecks led to faster execution of key processes and a more stable, responsive environment for the team. Davey elevated development workflows through these initiatives and reinforced a culture of quality, reliability, and speed in the engineering organization.

As a **Principal Software Engineer** at **NICE inContact** in 2017, Davey brought architectural clarity and technical precision to a system facing widespread instability. In an individual contributor role, he assessed critical weaknesses in the existing application structure and led efforts to stabilize core components. Davey eliminated more than 40 open bugs impacting system-wide reliability by redesigning and rewriting a flawed resize management module. He further advanced the platform's adaptability by converting a static application into a modular, client-customizable system, achieved with less than a 2% change to the existing code base. This innovation



enhanced the user experience and opened new revenue opportunities through feature-based service offerings. Davey proposed a Docker-based local environment to improve development consistency that mirrored production, streamlining code validation and reducing deployment risks. His contributions during this period reflected a strong command of software architecture, debugging, and modular design, delivering lasting improvements in system performance, maintainability, and scalability.



During his time at **Convirza** from 2014 to 2016, Davey served as a **Senior Software Engineer and Architect** and was pivotal in the complete rebuild of the company's core application. He led architectural planning, selected appropriate technologies, and developed new services while managing four direct reports. One of his most significant achievements was optimizing the AngularJS-based application load time from 47 seconds to just two seconds using performance techniques such as lazy loading, background code execution, minification, and caching. Davey also improved platform reliability by identifying and resolving persistent bugs in foundational services and stabilizing key customer-facing experience components. He successfully embedded third-party integrations, including Zuora and DoubleClick, to support business operations into the application's workflow. In addition to his technical contributions, Davey mentored team members on architectural design principles and debugging strategies, increasing overall team efficiency and strengthening code maintainability. His impact extended across the product and engineering teams, delivering long-term performance and scalability gains.

At **BlueRoof360**, Davey stepped into the **Chief Technology Officer** role in 2012 with a mandate to reinvent the company's platform from the ground up.



Throughout his tenure through 2013, he led a complete application overhaul designed to introduce critical new functionality and support long-term scalability. He architected a modular replacement for the existing system, selecting technologies to accommodate future growth while resolving structural limitations. Managing four direct reports, he created a phased development roadmap that aligned releases with key dependencies, enabling the team to meet an aggressive launch timeline without sacrificing quality or requiring overtime. Davey improved performance and cost-efficiency by replacing a paid third-party mapping service with a faster, feature-rich open-source alternative, eliminating unnecessary expenses and enhancing responsiveness. He restructured the company's infrastructure for maximum stability and security, integrating load balancers, dedicated servers, content delivery networks (CDNs), and redundant systems. Under his leadership, the rebuilt platform became more adaptable, secure, and efficient, positioning the company for enhanced service delivery and future expansion.

## EARLY CAREER

For over 30 years, Davey has worked as a contracted software engineer through his own company, **One Vision Beyond**, delivering scalable, performance-driven solutions across a wide range of industries and technical environments. In the earlier stages of his career, he partnered with companies such as **Zane Benefits**, **Global-Based Technologies**, and **Solution Stream**, where he served as a senior software engineer and architect, designing high-functioning systems tailored to complex business needs. At **Daz Productions**, he expanded his skills as a senior web developer, blending creative front-end design with robust back-end functionality. His experience also includes foundational roles in system administration and programming at **World Net Services**, **Scream Design**, and **Vyzynz International**, where he managed infrastructure and automated processes and supported both Unix and Windows environments. These formative years shaped his expertise in full-stack development, infrastructure stability, and client-focused engineering—skills that continue to define his leadership in software architecture today.

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