

KEITH HAMILTON

SOFTWARE ENGINEER

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PROFILE

Keith Hamilton is a seasoned technical team leader with extensive expertise in data migrations and integrations, boasting over 15 years of software engineering experience. Proficient in a wide array of programming languages, including C#, VB.NET, Java, and PHP, he possesses a diverse skill set in database management, spanning legacy file-based engines to contemporary relational database solutions.

Throughout his career, Keith has successfully developed numerous migrations, integrations, and custom business solutions. His proficiency extends beyond software development; he excels as a systems administrator, well-versed in operating systems like Linux, Windows, MacOS, and OS/X.

Keith is highly self-motivated, excels in time management, and works effectively with others, making him an invaluable team player. He is readily available for on-demand projects and demonstrates his in-depth knowledge by adeptly analyzing source systems, effectively migrating them to sophisticated, improved solutions. Additionally, he exhibits a keen ability to profile data efficiently, swiftly identifying anomalies with precision.

EXPERIENCE

SOFTWARE ENGINEER / DATA MIGRATION LEAD – 2017 - Present

Runding Corporation / Folsom, CA

Trimble

- Contributed to AppXchange “Flows” implemented in either C# or Javascript, enabling the integration of data from numerous ERP systems such as ServiceTitan, Vista, Spectrum, BuildOps, Kojo, and others.

Ontario Ministry of Transportation

- Directed a team in migrating data from an existing Microsoft SQL database application into Kahua, ensuring a seamless and successful transition.

General Services Administration

- Took charge of developing a hosted service responsible for migrating data from an existing Proliance system into Kahua, streamlining the process and ensuring accurate data transfer.

Tilson

- Designed and implemented project management controls leveraging the capabilities of the Microsoft Power Platform, enhancing project efficiency and coordination.
- Orchestrated the creation of Azure Functions, seamlessly integrating an existing Sage instance with the Microsoft Power Platform, optimizing data flow and expanding system capabilities.

Apogos

- Developed a comprehensive project controls and resource planning solution by leveraging the Microsoft Power Platform, enhancing project management and resource allocation efficiency.

Disney Imagineering

- Was actively involved in developing DocuSign integration and JavaScript modules within NexGEN, a NodeJS based web application providing a custom user interface for an existing Proliance installation.

Simon Properties

- Created a VB.NET application to facilitate the seamless import of multiple uncommitted costs across Proliance projects or a single uncommitted cost invoice into a specific project.

SOFTWARE ENGINEER / SYSTEMS ADMINISTRATOR – 2012 – 2017

Axiom Analytix / El Dorado Hills, CA

- Headed a small team in the development of data migrations, transforming SACS (Standardized Account Code Structure) data files into a Microsoft SQL database to enable the generation of reports for school officials and parents in the California School System.
- Took charge of the development and ongoing maintenance of VIA, a comprehensive solution designed to analyze and assess the performance of schools and districts across California.
- Led the development and continuous maintenance of DataPort, a dynamic form building solution utilized for collecting survey information across various scenarios. The platform was built using C#, .NET WebForms, jQuery, and jQueryUI.
- Responsible for the creation and upkeep of Axiom Import Tool, an innovative, multi-threaded, plug-in based import tool developed using C# and .NET WinForms. The tool incorporated a dynamic compiler capable of compiling small programs at runtime.
- Diligently maintained and updated Truancy Hunter, a C# .NET WebForms application responsible for tracking student truant data, from the initial truancy occurrence through the entire SARB (Student Attendance Review Board) process.
- Facilitated seamless communication between Truancy Hunter and school officials by integrating emails through a postfix instance, allowing notifications upon parents opening emails related to their truant child.
- Oversaw the maintenance of core business websites, applications, servers, and employee computers, ensuring their smooth operation and optimal performance.
- Designed and implemented custom applications for web data scraping, occasionally utilizing Selenium to enhance data retrieval capabilities.
- Generated comprehensive reports using Microsoft Reporting Services, providing valuable insights to support decision-making processes.
- Implemented an innovative solution utilizing Tesseract OCR, making scanned school documents searchable and easily accessible to customer users.

SOFTWARE ENGINEER – 2006 – 2009

Entersolve, Inc. / Boulder, CO

Entersolve

- Successfully led the migration of multiple custom Microsoft Access databases to advanced solutions built on Microsoft SQL, improving data management and accessibility.

Transfirst

- Developed and maintained ELAPP (Electronic Application), a C# .NET WebForms application, facilitating Washington Mutual sales agents in signing up new customers and processing credit card transactions through a merchant service.

BolderBOULDER

- Designed and developed the BolderBOULDER 2007 race website utilizing Visual Basic.NET and .NET WebForms. Pioneering the implementation of RFID chips on participants' shoe laces, the website allowed real-time race time tracking. Additionally, had the privilege of riding in the press truck to capture and contribute pictures for the website.
- Collaborated in the procurement of AspDotNetStoreFront and seamlessly integrated it with the BolderBOULDER website.

SOFTWARE ENGINEER / SYSTEMS ADMINISTRATOR – 2002 – 2006

EX-CELL Metal Products / Franklin Park, IL

- Spearheaded the design and establishment of the initial Active Directory domain for the organization, streamlining user management and network access.
- Oversaw the administration and maintenance of Gentoo Linux, Windows servers, and Microsoft SQL servers, ensuring their smooth and secure operation.
- Effectively managed network faxing, Exchange server, and various office applications, ensuring seamless communication and productivity.
- Provided exceptional technical support to employees, resolving computer-related issues promptly and ensuring smooth operations.
- Demonstrated versatility by actively engaging in various business functions to identify areas for improvement, resulting in the development of tailored applications to enhance efficiency.
- Successfully orchestrated the development and implementation of a wireless inventory system for the manufacturing plant, optimizing inventory management, order picking, and facilitating real-time tracking.
- Collaborated with stakeholders to identify gaps in custom application programming and assisted in the procurement of Syspro MRP for enhanced performance.
- Seamlessly integrated custom applications with Syspro MRP to optimize business processes and enhance overall efficiency.
- Efficiently handled office supplies management and procurement, ensuring a well-stocked and organized work environment.

SOFTWARE ENGINEER / COMPUTER ENGINEER – 1998 – 2002

Ethridge Systems / Grand Junction, CO

- Designed and implemented a Visual Basic 6 point of sale application for a Matco tool truck, incorporating barcode functionality and an inline keyboard barcode scanner for efficient transactions.
- Developed a PHP website specifically designed for deployment on field mudlogging devices. This website facilitated the recording of crucial mudlogging data, empowering mud loggers to make informed decisions about the well's potential for oil and gas production, while also ensuring safe and efficient drilling operations.

EDUCATION

NORTH SEATTLE COMMUNITY COLLEGE – 2010 - 2012

Seattle, WA

- Studied and worked towards associates in computer engineering.