

BLAKE T. MORGAN

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4875 W Frogs Leap Dr, Apt 5309, South Jordan, UT 84009

Full-stack custom web application developer familiar with PCI DSS compliance. Desires to help teams and organizations migrate to the cloud and implement DevOps principles. Familiar with Agile project management. Willing to relocate.

Familiar Technologies: NodeJS, Vue, React, Java, Kotlin, JavaScript, SQL, Terraform, GitHub Actions, AWS

PROFESSIONAL EXPERIENCE

Automotive Business Solutions

Westminster, CO

Remote Software Engineer

August 2021 – Present

- Created full-stack React/NodeJS applications for the creation and adjudication of warranty claims and registrations. Simplified and enhanced the warranty claim process for both external consumers and internal warranty technicians.
- Created websites, mobile wallet cards, and marketing materials to help clients integrate warranty products into their business processes – increasing revenue for both the client and Automotive Business Solutions.
- Decreased CI/CD costs and increased code maintainability by improving DevOps processes. Added caching to and removed unnecessary code from GitHub Actions. Took advantage of multi-stage builds with Docker.
- Managed a Kubernetes cluster to ensure services were highly available, reliable, and visible.

Brigham Young University, Office of Information Technology

Provo, UT

Full-Stack Software Developer

February 2019 – August 2021

- Lead developer of the university's payment processing system. Migrated the API from a Java-based monolithic architecture to a NodeJS cloud-native, distributed architecture. Kept the system compliant with PCI DSS. Rearchitected the application to use AWS DynamoDB rather than Oracle relational databases.
- Authored, proposed, and implemented the tokenization of the payment processing system. It reduced the application's PCI DSS scope, saving on maintenance costs and 95% of labor costs.
- Led the development of a new version of the university's online campus map website based on ArcGIS data to provide more up-to-date location and accessibility access data.
- Led the development of Version 2.0 of university-branded and accessible web components using the Custom Elements API to decrease their bundle size and load time and to simplify the creation of websites that match the BYU branding guidelines.
- Migrated legacy APIs and UIs to a modernized technology stack, which included Docker, NodeJS, Kotlin, Vue, and other AWS tools. Automated their infrastructure/deployment strategy using Terraform and GitHub Actions.
- Created organization-wide Terraform modules and project templates demonstrating Terraform, GitHub Actions, and other DevOps best practices. Used those templates to assist teams with their own DevOps implementations.
- Mentored junior student developers with their own assignments on team projects.

Brigham Young University, University Communications

Provo, UT

Web Developer

April 2017 – February 2019

- Developed the Drupal 8 version of the university's public news website, improving the UX for readers and content creators. Migrated 11,000 nodes from the old Drupal 7 site to the new Drupal 8 site.
- Assisted development of a BYU-branded Drupal theme integrated with the university's web components that was used by departments across campus.
- Contributed to the redesign of the BYU homepage and BYU Photo websites, bringing the branding in line with new brand guidelines and improving the UX for website visitors.
- Participated in the development and documentation of Version 1.0 of university-branded web components using the Custom Elements API to simplify the creation of websites that match the BYU branding guidelines.
- Managed Windows and Linux servers for the department. Ensured servers were patched and that PHP, MySQL, and Nginx were configured correctly to support Drupal installations.
- Built and maintained miscellaneous Drupal websites for small departments across campus.

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SIDE PROJECTS

- Missionary Internet Transfer System** 2016
- Developed a PHP web application to notify volunteers if they will be reassigned and provide information about their new assignment. Simplified the notification process from a phone-tree to email notification.
- Practice Journal** 2014
- Developed a Swift iOS application to help musicians track their individual practice objectives. Published on the iOS App Store from February 2015 to February 2017.
- Merit Badge Clinic Registration** 2014
- Developed a simple PHP web application to assist with class registration and administration of clinics.

EDUCATION AND CERTIFICATIONS

- Capella University/Brigham Young University** **Minneapolis, MN/Provo, UT**
Bachelor of Science in Information Technology, GPA: 3.93 *September 2020*
- HashiCorp**
Terraform Associate *May 2021*
- Mendix**
Rapid Developer *June 2020*
- Amazon Web Services**
Solutions Architect – Associate *December 2019*