

Kaylei Burke

Software Developer

I am a results-oriented software engineer who specializes in Ruby on Rails, Javascript, SQL, and AWS. I enjoy solving complex problems and working at a fast pace.



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📍 Omaha, NE

🌐 www.kayleiburke.com

WORK EXPERIENCE

Senior Ruby on Rails Developer (Contractor) New York Public Library

08/2023 - 10/2024

Remote

- Contributed to the development and maintenance of a metadata management system in Ruby on Rails that populated content for the Digital Collections platform, NYPL's online archive of digitized books, images, and artifacts.
- Led the integration of a custom Shibboleth Single Sign-On (SSO) solution to enable seamless authentication for library patrons.
- Developed a solution for Shibboleth to authenticate directly through Sierra ILS by leveraging the Sierra API for validating user credentials (barcode and PIN) and dynamically retrieving patron data.
- Successfully completed HathiTrust integration with Shibboleth, enabling patrons to access thousands of digitized academic resources with their library credentials.

Senior Software Engineer Techstreet

10/2021 - 06/2023

Remote

- Supported multiple Ruby on Rails applications (versions 1-6) including custom storefronts, CRM, ERP, and product management systems, managing Level 3 support tickets involving database fixes and live production debugging in Oracle, Postgres, MySQL, and MongoDB
- Completed more than 650 support tickets, many of which involved querying or modifying live production code or database data
- Completed numerous feature enhancements, including integration with PDF Repair and Optimization tools into our custom product management system.
- Helped create a custom Ruby on Rails CRM application with a new development team from the ground up
- Played a pivotal role in support of SSO integration with storefront sites - including compatibility with Okta, OpenAthens, and Azure - using the ruby-saml gem. We supported both IdP and SP-initiated logins.
- Helped manage applications on a daily basis in AWS using EC2 (for Rails applications), Amplify (for Angular applications), ECS (for Java applications), Lambda (for Ruby on Rails application), CloudWatch (for Lambda and ECS debugging), Athena (querying SES logs), and Code Build and Code Pipeline for continuous integration with Github projects.

SKILLS

Ruby on Rails	●	●	●	●	○
Javascript	●	●	●	○	○
AngularJS	●	●	○	○	○
SQL	●	●	●	●	○
Java	●	●	○	○	○
C#	●	●	○	○	○
Git	●	●	●	●	○
CSS	●	●	●	○	○
HTML	●	●	●	●	○
Amazon Web Services	●	●	●	●	○

PORTFOLIO WEBSITE

Personal website containing sample projects in Ruby on Rails, Vue, and React

- www.kayleiburke.com

ACHIEVEMENTS

AISES Google Scholarship Recipient (2008)

EDUCATION

Bachelor of Science in Computer Science University of Nebraska-Lincoln

08/2007 - 05/2011

Lincoln, NE

- Upsilon Pi Epsilon Honor Society - President, 2 years

WORK EXPERIENCE

Software Developer Unabridged Software

10/2020 - 04/2021

Omaha, NE

- Created custom Ruby on Rails applications for clients.
- One of my biggest accomplishments was adding file attachment functionality to a custom CRM application. Every time a file was added or removed, a note was added to the activity feed on the user's home page. The user could download and remove the file. Files were stored on AWS. The code used the presenter pattern. I worked with a UI/UX designer to customize the user experience for this feature.
- Created test suites using RSpec, Minitest, and Capybara.

Software Developer Contractor 5&2 Studio [↗](#)

08/2018 - 01/2019

Remote

- Used C#, Vue.js, and Ruby on Rails to customize customer-facing and ERP websites for clients.
- Worked with 5&2 Studio executives to construct and add new features to sites they built from the ground up for their clients, including a replacement website for PhysEmp, a job search engine for doctors (www.physemp.com).

Software Developer Voxtelesys [↗](#)

02/2016 - 07/2018

Wahoo, NE

- Used Ruby on Rails, Angular, and Vue.js to create internal and external data management web applications. The internal application was the foundation of the company's business model, and I was one of the lead developers involved in converting it from a complex and non-user-friendly PHP app to an Angular and Ruby on Rails app.
- I was the lead developer on a customer portal website that allowed customers to view and manage their services and usage statistics (<https://portal.voxtelesys.net>). I wrote the front end portion of the site using Vue.js, and I used Ruby on Rails for the API. When creating this site, I worked firsthand with both a UI/UX and marketing expert in order to add complex customizations to the Bootstrap theme.

Software Developer Mersoft Corporation [↗](#)

03/2015 - 10/2015

Overland Park, KS

- Helped replace a client's critical but obsolete ERP, sales, and marketing platform with a completely new application built in Ruby on Rails, with a PostgreSQL database, integrated with a Joomla CMS that enabled the client to dynamically present content to their users.
- In order to do this, I had to learn Ruby on Rails quickly and become proficient in it. I also worked daily with the architect, directly engaged with clients, and authored user documentation.

Software Developer Contractor YRC Freight

10/2014 - 03/2015

Overland Park, KS

- Created, modified, and managed financial reports using SAS, VBA, and some R and JCL. Data from these reports was analyzed regularly by company executives.
- Created a historical dataset containing common operating metrics using SAS and R. Up until that point, historical data for these metrics was scattered and, as a result, very difficult to analyze.

Software Developer J.B. Hunt

09/2013 - 09/2014

Lowell, AR

- Supported several different systems for the Dedicated Contract Services portion of J.B. Hunt, including: payroll & billing, freight management, routing & scheduling, order processing, and customer surveys. I supported users by providing on call service for these applications, as well as implementing small (generally 120 hours or less) bug fixes and enhancements.
- My biggest accomplishment was enhancing an automated customer satisfaction survey dialing system by obtaining customer information from multiple database sources and creating call survey records based on custom criteria. This enhancement required me to gather and refine user requirements, learn about custom business processes, and construct advanced SQL queries. Languages and tools used at this position included: C#, Java, SSRS, T-SQL, and DB2.