

AARON KENDRICK

SOFTWARE DEVELOPER

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Experience

Identity Automation Digital Identity Management Software Developer November 2021 - February 2023

Product Team

Fullstack development of RapidIdentity, Identity Automation's flagship IAM platform

- Implemented exponential back-off on failed authentication attempts across all of RapidIdentity's authentication types (user/pass, pictograph, DUO, QR, SMS, etc) used to help thwart malicious actors
- Added the ability to test connections/validate configurations for RI Studio consumer and producer applications over a variety of protocols including HTTPS, S3, FTP, FTPS and SFTP
- Overhauled RI's role sync scheduler to use a cron expression instead of the timestamp of the last run in order to maintain a consistent sync schedule
- Implemented a REST service (Java/JAX-RS) based on the IMS OneRoster 1.2 specification used to exchange student data (people, enrollments, courses, etc) between RapidIdentity and Student Information Systems
- Developed/deployed greenfield JavaScript/Ember Octane SPA for IA's new IDHub product. Also supported legacy Ember apps
- Automated back-end infrastructure provisioning for the IDHub project using Terraform and setup CI/CD pipelines
- Created and applied LDAP schema updates for RI's OpenLDAP server
- Performed root cause analysis and applied solutions for production issues in the Rapid Identity product

Schumacher Clinical Partners Health Care Software Developer (Contract)

September 2020 - October 2021

Web Services Team

Developing SCP's provider portal software which encompasses scheduling, reporting, training, medical coding/billing, provider credentialing and more

- Rebuilt SCP's Medical Director reporting system migrating from a third party form creation/entry service (Jotform) to a custom solution using React-Hook-Forms and a GraphQL/Postgres back-end. The system includes an approval workflow with various form states, notifications and file-uploads/downloads (AWS S3)
- Built a C#/.NET console application which authenticates with / queries the Workday Adaptive Planning API to pull account information for SCP's Business Intelligence team. Also utilized the .NET XML API to transform the API response to be consumed by BI
- Developed custom Excel Workbook sheets with color coded Medical Director report status data using ExcelJS along with the ability to download them via SCP's provider portal
- Built several pages used by providers to view facility/report data with extensive filtering capabilities using React with accompanying GraphQL resolvers/types

Chevron Oil & Gas
Software Developer (Contract)

December 2019 - February 2020

Drilling and Completions Systems Lab Team

Worked as a developer within a multidisciplinary team modeling D&C operations as a computational knowledge graph using the Maana platform

- Developed and deployed a web application (React/Styled Components/Azure) using GraphQL to query MaanaQ / Also implemented Auth Universal Login authentication
 - Developed and deployed Node.js micro-services mapping data from various data sources/formats to a specified GraphQL schema
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The Home Depot E-Commerce
Software Developer

October 2018 - November 2019

Measure and Install (MANDI)

Developing Software to facilitate Home Depot's professional measurement and installation program

- Delivered a greenfield .NET Core back-end replacing HD's existing system supporting shopping for/purchasing MANDI services / Also performed extensive refactoring of the blinds.com web UI (React/Redux/Styled Components) to accompany the new back-end
 - Migrated HD's MANDI job system from SQLServer/RPC API to Firebase Firestore/GraphQL API increasing system performance and giving HD the confidence to extend the MANDI program coverage from 20% to 60% of the United States
 - Built a NodeJS/Express API used by 3rd party MANDI Service Providers to read/write HD MANDI job data from their software
 - Deployed a machine learning model using AWS Sagemaker/Lambda/API Gateway whose inference data helps significantly reduce the MANDI process cycle time
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SmartVault Cloud Document Management
Software Developer

August 2014 - May 2018

Product Team

Part of a team of developers practicing Agile/SCRUM methodology with 2 week sprints and monthly releases

- Porting legacy ASP.NET/C# client functionality into SmartVault's recently developed AngularJS client
 - Building customer facing UI for SmartVaults Windows Desktop client (C#/WinForms) and Javascript web client (AngularJS)
 - Optimized/re-worked several SmartVault application workflows including SV's Windows Desktop client "Send to Support", "Simple-View" files and folders view (AngularJS), and "Seasonal user licenses"
 - Introduced several SmartVault features including a special "Services-User" user type, custom portal branding, and PDF encryption
 - Increased SV's AngularJS client unit test coverage from approx. 30 - 90% via javascript testing using JasmineJS/Karma
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Technical

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|-----------------------|---------------------------|-------------------|
| HTML/CSS/SASS | C#/.NET | GIT/Gitlab/Github |
| Javascript/TypeScript | Java/Spring | Docker/Kubernetes |
| React/Vue.js/Ember.js | EntityFramework/Hibernate | AWS/Azure/GCP |
| Jest/NUnit/JUnit | SQLServer/MySQL/Postgres | Terraform |
| Node.JS/Express | RabbitMQ | GraphQL/REST/RPC |

Education

University of Wisconsin-Milwaukee
B. S. Information Science and Technology, 2013