

Blake Alan Roberts

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Education

Iowa State University, Ames, IA

Senior Completing a Bachelor of Science Degree in Software Engineering

GPA: 3.52/4.00; Expected Graduation: May 2019

Des Moines Area Community College (DMACC), Ankeny, IA

GPA: 3.90/4.00

Experience

Workiva

Ames, IA

Software Engineer

May 2017 - Present

- Review pull requests to ensure correctness and approve changes per standardized release procedure
- Adhere to SemVer and avoid breaking changes when developing integratable libraries/services
- Work with AWS Lambda and Kinesis to parse and send application metrics to Datadog

Notable Projects:

Improve application telemetry/metric reporting libraries and services allowing development teams to capture useful data to ensure application performance and stability.

Implement application user subscription limiting within Workiva's service to service messaging layer to protect against unusual resource allocation resulting in system failures.

Utilize Hashicorp Packer to build an Amazon Machine Image (AMI) for Amazon Elastic Container Service for Kubernetes (EKS).

Configure, and document, setting up an EKS cluster to include items such as Helm/Tiller, Rancher, and ALB/Nginx Ingress.

Global Vet Link

Ames, IA

Software Engineer

May 2016 - May 2017

Notable Projects:

Develop an admin user interface to save and load database information during application runtime. This tool gives the ability to prepare a database for QA testing as well as product demos.

Develop backend API and frontend UI to allow feed mill distributors the ability to upload manually created documents to GVL's eDocument database.

Develop backend API and frontend UI allowing distributors to upload Acknowledgment of Distribution letters per FDA requirement.

Projects

Harbinger and Spine.js/Google Firebase integration

Google Firebase provides cloud based data persistence and authentication. Spine.js is an MVC SPA web framework with out-of-the-box RESTful/Ajax model configuration. I implemented a Spine.js extension utilizing existing APIs which leveraged Firebase as a backend. As proof of concept, I developed Harbinger, a messaging app, with OAuth2, data persistence, and real time messaging.

Not Your Mother's Bank (NYMB)

On a school team of 4 developers, I am currently pursuing an application leveraging cryptocurrency APIs, such as Coinbase, to build a user friendly cryptocurrency payment system and simplistic trading application. The application consists of two main services; a backend RESTful API built on Gin, a Go HTTP router library, and a static MVC SPA built on Spine.js utilizing the mobile first styling, Bootstrap 4.