nicholas cronquist

software engineer

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❯ employment

Blackstone
New York, NY
Platform Engineer
Sept. 2019 to Current

Deployed, integrated, and managed services with an emphasis on automation and security as a part of building Blackstone's cloud platform. Helped to define and promote best practices around Terraform usage and CI/CD. Wrote AWS MFA and role assumption script used throughout engineering team. Documented and advocated for Windows Subsystem for Linux usage which resulted in team switching away from VM development.

SAP Concur
Bellevue, WA
Software Design Engineer
Aug. 2015 to Sept. 2019

Worked on multiple teams designing and building highly available distributed systems with end-to-end ownership of services. Projects focused on moving Concur from a monolithic architecture to a service oriented architecture. Promoted automation of tests, builds, and deployments on all projects to increase velocity and improve confidence in changes. Mentored junior developers and conducted technical hiring interviews.

Client Data Services (CDS): GraphQL PaaS allowing developers to deploy small pieces of a GraphQL schema. Contributed to all parts of the CDS platform including the base engine and local emulator written in NodeJS, management CLI written in Golang, and the AWS and Kubernetes infrastructure. Implemented the initial resolver stitching and added support for remote schemas; a key part of the local emulator.

Orchestration: GraphQL service exposing Concur API data to Concur UI teams. Organized a complex data model into an easier to consume view model. Used view model designs to create a GraphQL schema and associated resolver code written in Elixir. Improved the reliability of the service through better automation and monitoring, support for asynchronous mutations, and more resilient code handling of upstream API requests.

Receipts: HATEOS driven REST API that manages receipts at Concur. Implemented queuing and event processing for all I/O actions to improve fault tolerance and to increase performance through parallel processing. Improved image generation process and built functional tests that greatly reduced bug frequency. Automated Kubernetes deployments dealing with both stateful and stateless resources.

Fast Enterprises
Baton Rouge, LA; Vientiane, Laos
Implementation Consultant
Jan. 2011 to Dec. 2014

Led teams in design, configuration and implementation of Fast's custom tax software for government agencies. Developed and maintained several data warehouse entities. Produced data cubes, reports, and ad hoc queries to help the government agencies retrieve useful information from their data. Oversaw the design and development of the Laos e-services taxpayer website. Designed and implemented processes for taxpayers to register vehicles and to securely upload attachments to client servers. Performed data migration from legacy systems to Gentax.

❯ skills

PROGRAMMING LANGUAGES	DATABASE TOOLS	OTHER TECHNOLOGIES AND SKILLS	OTHER TECHNOLOGIES AND SKILLS
JavaScript (Node.js)	Elasticsearch	Docker	AWS
Golang	Microsoft SQL Server	REST	Terraform
Experience with Bash, Elixir, Python, Ruby, Groovy, and SQL	Redis	GraphQL	Continuous Integration and Delivery (CircleCI, Jenkins, GitHub Actions)

❯ education

General Assembly
Web Development Immersive 2015

University of North Dakota
Bachelor of Business Administration Information Systems 2010