NATE GRIGG

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Nate has an intuitive creativity that is hard to come by in engineers. Combine this creativity with an uncanny knack for abstraction and you get ingenious technical solutions. Mix in Nate's natural aversion to inefficiency and you end up with truly elegant designs.

EXPERT SKILLS

Nate has expert skills in DESIGN and IMPLEMENTATION of WEB SERVICES.

Both MICROSERVICES and other REST WEB SERVICES

Implemented in JAVA (SPRING), DJANGO, FLASK, and .NET

PROFICIENT SKILLS

While he wouldn't claim to be an expert, Nate is proficient in PYTHON, JAX-RS, ASP.NET MVC, .NET CORE, MAVEN, NUGET, PIP, SCRUM, LEAN DEVELOPMENT, and OXFORD COMMAS

RELEVANT EXPERIENCE

Port and Integrate Stand-Alone Application

2022

Nate was the technical lead for a mix of front-end and back-end developers. The project goal was to port an internal, employee-facing application into the main customer-facing app for ReliaQuest, an enterprise cybersecurity provider.

Nate and the team worked with ReliaQuest's Data Engineering team to set up jobs to transfer the data from the active internal app into a POSTGRESQL database. The team developed a JAVA SPRING BOOT MICROSERVICE to serve the data to the front end. The front-end developers on the team built components and pages within the existing customer-facing app to display the information from the internal application to

internal and external users.

Prepare Legacy Appointment app to Integrate with main Web Site

2013

Take Care Health Systems ran health clinics at employers and at some Walgreens store. Walgreens had acquired the company and was in the process of creating new applications for patients to book appointments at the clinics. The project had slipped and the appointment-booking feature would not be ready in time.

The existing Take-Care appointment app was sufficient to fill the gap while the new appointment app was finished. So Nate was tasked to strip all the Take Care branding provide a simple target to embed in the Walgreens web site.

All the developers who had worked on the existing app had left the company and were not available for consultation. So Nate used a class-diagram generating tool to quickly understand the structure of the code and find all the components that were involved with the features that would be used in the stop-gap solution.

SOFTWARE ENGINEERING WORK HISTORY

Senior Software Engineer, ReliaQuest

August 2021–March 2022

JAVA microservices built with SPRING BOOT, SPRING MVC, and POSTGRESQL (deployed to AWS).

See Port and Integrate Stand-Alone Application above.

Also instrumented existing applications to measure feature usage and work-loads.

Principal Software Engineer, Newfold Digital

A.K.A. Bluehost

Dec 2019–Aug 2021

PYTHON, DJANGO, FLASK, MICROSERVICES, JSON WEB TOKENS (JWT) Nate was a Tech Lead on a team with 4 fellow developers as they built a DJANGO microservice from scratch and inherited two FLASK microservices.

Content Recommendation System

Built a new REST MICROSERVICE in DJANGO, integrated with legacy applications to retrieve user details and recommend knowledge-base articles.

JWT Authorization service

Inherited a FLASK microservice that signed JSON WEB TOKENS (JWT) to authorize customers for a new application.

API Gateway

FLASK microservice to front calls to the legacy monolith.

Developer, Personal Project

Nov 2018–Oct 2019

Put the core game logic into a stand-alone library (.NET DLL) to aid in unit testing.

Integrated the DLL with the game in the UNITY game engine.

Built a DJANGO application to serve puzzles to the game for rapid testing of new ideas.

Nate deployed the DJANGO app to AWS ELASTIC BEANSTALK and successfully integrated it with the game running on actual iPhone devices.

The game is fun, you should try it!

https://magiegame.com/magie/

Senior Software Engineer, Ancestry, Inc.

2015–2018

Monolith BreakUp and conversion to Micro Services

Commerce department at Ancestry

Nate worked on replacing a suite of monolithic .NET services with Java MINIservices. Aiming to build MICROservices, the team ended up building services that were a little larger than intended. So, while breaking up the MONOLITH, the team also worked on breaking the MINIservices into MICROservices. The team also spent the last year "lifting and shifting" all of these services (MICRO, MINI, and MONOLITHIC) to the AWS cloud.

All this while implementing new features and helping the team raise their standards for software excellence.

Java 8, JAX-RS, REST, Micro-Services, Spring Dependency Injection, Maven

Senior Software Engineer, Intermountain Healthcare

2014–2015

Non-Profit Healthcare Provider

Nate worked with the web team implementing the company's main user-facing web site.

Sitecore Content Management System (CMS)

Senior Software Engineer, RedBell Real Estate

2013–2014

Real-Estate Services company

ASP.NET Web Forms

Senior Consultant, Application Development, Avanade Inc.

2006–2013

IT Consulting joint venture from Accenture and Microsoft

Most of Nate's time with Avanade was spent in Professional Services at Navitaire, an airline reservations company. Navitaire Professional Services assists airlines with implementation and customization of Navitaire's reservations platform. Nate mostly worked with airline web developers customizing various aspects of their booking flow.

Software Developer in Test, Control4

2004–2006

Home-automation startup

Testing hardware and software at a home-automation startup.

Embedded Linux, C, C++, Custom Test Automation Software in C#

Software Engineer, ThoughtLab

2002–2004

Custom web applications

ASP.NET 1.0, 1.1

EDUCATION

Bachelor of Science, Computer Science
University of Utah

2002–2006

work in progress... more to come.