

# JOHN GELLERT

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## BIOGRAPHY

I am a self-driven software engineer with a passion for discovering technology solutions to solve human problems. I am energized by learning how things work, and I use my curiosity to create new ways of doing things. I am at my best when given time to let my mind sit with new ideas and concepts, though when needed, I am flexible to jump right in. In my free time, I enjoy the outdoors with friends and family, exercising, running, camping, snowboarding, and snowmobiling.

## RECENT PROJECTS

- **HOA Director:** Developing an application for homeowner associations to facilitate conflict resolution through a voting system using the following tech: Angular, Noge.js, Express, PostgreSQL, Sequelize ORM, HTML, CSS.
- **Community Colors:** Developed a proof of concept application that uses server-sent events to send data to clients without the client sending a request to the server. Users can change the background color for all active client sessions. Link to a **live demo:** <https://community-colors.herokuapp.com/>

## TECHNICAL SKILLS

- Angular
- RxJS
- TypeScript
- React
- Node.js
- Express
- C# / .NET
- PostgreSQL
- MongoDB
- MS SQL Server
- HTML
- CSS
- Git / GitHub
- Heroku
- CloudBees / Jenkins
- xUnit
- Jasmine / Karma
- ReSharper

## EXPERIENCE

**Travelers Insurance**, St. Paul, Minnesota

December 2019 – Present

*Software Engineer*

- Working with a team of four engineers building a rating platform for underwriters to rate, quote, and issue insurance policies with over 20 coverage types in over 50 states/territories.
- The application is deployed to the company's private cloud (Pivotal Cloud Foundry) and built with the following technologies: Angular, .NET, NServiceBus, RabbitMQ, MongoDB.
- The application implements the following architectural patterns: Domain Driven Design, Microservices, and Event-Driven Architecture.
- Work with the legacy application written in VB.NET using MS SQL Server, which integrates with the new application as features become available.
- Organize, track, and prioritize feature work using a team Kanban board and Agile methodologies.
- Perform live demos of new features to the business product owners.

**Prime Digital Academy**, Minneapolis, Minnesota

April 2019 – August 2019

*Full Stack Software Engineering Student*

- **Client Project: Panacea**
  - Worked with three engineers to develop an application for our client. This application mitigates barriers to healthcare access for people traveling abroad. Users of this application can find healthcare providers, emergency numbers, and medication translations for selected cities.
  - Technologies used: JavaScript, React-Redux, Node.js, Express, PostgreSQL, Google Maps API, and Material-UI.
  - One of my roles on the team was to scope and develop the administration pages and build a Kanban board for tracking project features.
- **Solo Project: PayTracks**
  - Developed an application for household employers to track payroll information for employees. Household employers have similar payroll responsibilities as small businesses, but without the resources to complete these tasks efficiently. I developed PayTracks where users can create a business entity, add employees, and record wages paid to employees. Upon recording gross wages, the application automatically

calculates state, federal, and social security and medicare withholdings according to each employee's withholding criteria and generates a net payment amount.

- Technologies used: JavaScript, React-Redux, Node.js, Express, PostgreSQL, and Material-UI.

**Northland Fire Protection**, St. Cloud, Minnesota

September 2017 – May 2019

*System Technician*

- Displayed attention to detail performing fire alarm system inspections for commercial businesses to determine life safety compliance with state and national fire alarm standards.
- Adapted and used sound judgment while evaluating solutions for customers' needs.

**Deloitte**, Minneapolis, Minnesota (3 months) | Phoenix, Arizona (11 months)

July 2016 – September 2017

*Advisory Consultant (Technology Risk)*

- Collaborated with financial audit teams to perform SOX IT, AICPA, and Service Organization Control (SOC) audits by testing general IT controls (GITCs) across multiple technologies.
- Supported GITC testing by analyzing SQL queries to verify the completeness and accuracy of records.
- Facilitated engagement planning by analyzing information technology environments and mapping controls to in-scope applications and databases.
- Planned and scheduled walkthroughs with control and application owners for multiple controls for various applications and databases in multi-vendor IT environments.

**North Dakota State University**, Fargo, North Dakota

October 2014 – February 2015

*Information Systems Department Intern*

- Supported the technology needs of the Accounting, Finance, and Information Systems Department by performing system administration tasks and maintaining critical teaching systems.
- Independently learned the business school's IT environment to configure and deploy virtual machines and software on the physical servers providing students with individual environments for an upcoming applied business intelligence course.
- Installed and configured Windows Server 2012 and Microsoft SQL Server.

## **MILITARY EXPERIENCE**

**United States Navy**, Norfolk, Virginia | Atsugi, Japan

September 2006 – January 2014

*Aviation Support Equipment Technician*

- Supervised the staff of a cryogenics work center scheduling and planning daily assignments.
- Displayed technical and problem-solving skills by identifying and resolving issues with mission-critical equipment.

**United States Navy (Temporary Assignment)**, Atsugi, Japan

June 2012 – January 2014

*Lean Practitioner*

- Provided administrative/technical support for the Continuous Process Improvement Management System.
- Organized and facilitated 12 process improvement classes providing students hands-on experience with process improvement and the following methodologies: Theory of Constraints, Lean, and Six Sigma.
- Led four rapid improvement events increasing the command's mission readiness.

## **COMMUNITY INVOLVEMENT**

- Meetups: Twin Cities .NET User Group, React Minneapolis, JavaScript MN, AWS\_MN
- Contributed over 50 hours of income tax return preparation for military and DoD families.

## **EDUCATION**

**Prime Digital Academy**, Minneapolis, Minnesota

*Full Stack Software Engineering Certificate*

August 2019

**North Dakota State University**, Fargo, North Dakota

*Bachelor of Science, Management Information Systems (MIS), Minor: Computer Science*

May 2016