

# Benjamin Jerke

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Columbus, OH 43202

Software engineer with over 7 years of experience as a software tester, SQL report writer, IT system analyst, and consultant. Equipped with a diverse and promising skillset. Seeking a junior software development role on a driven team to pursue the joy of collaborative problem solving and continue expanding my knowledge and skillset.

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## Technical Skills

Spring Boot, Java, PostgreSQL, HTML, CSS, JavaScript, Vue.js, Responsive Design, IntelliJ, Git, Unit Testing (JUnit), E/R diagrams, Integration Testing, SQL Server Reporting Services, SQL Server Management Services, Python 3

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## Technical Experience

### Meal Planning Application

"E-1337 Meals" - An full-stack web application that leverages Vue.js's extensive reactivity to allow users to create, view, and edit custom recipes from a list of ingredients pulled from the Spoonacular API, user-uploaded images stored in Firebase, along with a title and preparation instructions. Users may compose meal records with sets of recipes, and use a drag-and-drop calendar interface to plot the date on which they plan to cook each meal. By selecting a date range on the calendar, users can generate a list of groceries necessary to prepare the recipes housed in each meal for each date in the range. This grocery list may be printed or e-mailed to any recipient. Additionally, users may generate an ICS file to import events for each meal in the date range into Google Calendar or iCal. Ingredients, meals, recipes, and meal plan data are saved and retrieved from a Postgres database driven by a SpringBoot REST API written in Java.

Tools: Java, Spring Boot, JUnit, IntelliJ, MVC, DAO, PostgreSQL, REST APIs, VSCode, JavaScript, Node.js, Vue.js, vuedraggable.js, ics.js, moment.js, Vuex, Vue Router, Google Firebase Cloud Storage,

### Money Transfer Application

"TENmo" - A CLI client/server application that utilizes an MVC and DAO design to connect to a local server and access a local database. This application was built end to end to view all users on the application, and track the signed-in users transfer history which included both sent and received transfers as well as the ability to display a single transaction by a specific Transaction ID.

Tools: Java, Spring Boot, JUnit, IntelliJ, MVC, DAO, PostgreSQL, REST APIs

### Point of Sale / Inventory Management System

"TE Mart" - A command-line Java application serves as a basic inventory management system and point-of-sale. Reads a .csv file to generate an inventory, record sales, and update inventory stock per item accordingly. Developed for Tech Elevator's first capstone project assignment.

Tools: Java, IntelliJ

### Sudoku Thing

A command-line Java application that allows the user to solve Sudoku puzzles, check if a given Sudoku grid is solvable, and create Sudoku puzzles of wildly huge size for fun. Under active development.

Tools: Java, IntelliJ

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## Education

**Tech Elevator** - Columbus, OH

May 2023 - Present

Currently attending a 14-week full-stack coding bootcamp learning how to create dynamic web-based software systems using Java, providing 800+ hours of development education and application

**Luther College** - Decorah, IA

September 2012 - May 2016

Bachelor of Arts in Political Science and Economics

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## Professional Experience

### Epic Application Consultant

August 2022 - January 2023

Cactus Healthcare Resources, on contract with Kaiser Permanente - Remote

- Coordinated work across app build, business analyst, technical analyst, and quality assurance teams to decommission a third-party claims processor, adding claims for thousands of members across four US market regions
- Gathered requirements from key business stakeholders to aid application analysts in building infrastructure to process the new stream of claims in-house
- Helped prevent millions of dollars in plan quality audit fees and contract losses by meeting contractual compliance

## **Epic Application Analyst**

July 2021 - May 2022

Hill PhysiciansMedical Group - Remote

- Optimized flow of 500,000+ annual referrals for patients in the San Francisco Bay Area by configuring new features and maintaining established processes in HPMG's installation of Epic Systems' Tapestry application
- Supported diverse team of business analysts, project managers, and end users by leveraging HPMG's ServiceNow ticketing system
- Developed AutoHotkey scripts to automate tedious error-prone data entry workflows

## **Quality Assurance & Business Intelligence Development**

August 2020 - June 2021

Wisconsin Department of Health Services - Contract, Remote

- Protected stability of the Wisconsin Electronic Disease Surveillance System by testing a critical upgrade at the height of the second wave of the COVID-19 pandemic
- Supported county and municipal health department officials across Wisconsin by building and publishing 20+ reports on real-time COVID data stored in the state's Public Health Advisory Visualization and Reporting database using Visual Studio's SQL Server Reporting Services suite
- Decimated the PHAVR team's report request backlog by completing outstanding requests and implementing a formal request process via Jira, Google Forms, and Confluence

## **Software Tester**

June 2016 - July 2020

Epic Systems Inc. - Madison, WI

- Performed manual testing of fixes and features for Epic's Tapestry application - a platform which provides automatic processing of member claims, eligibility updates, referrals, and premium invoices and payments for managed care health insurance organizations across the United States
- Provided on-demand assistance to customers' implementation and support staff with questions about best practices for Tapestry implementations at 8 premium billing customer sites
- Found bugs, tested enhancements, and provided design feedback on features and fixes for over a dozen application release cycles.