

# SEAN BECKER

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## EDUCATION

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### Purdue University

*Bachelor of Science in Computer Science, Minor in Business Management*

West Lafayette, IN

Aug. 2015 – May 2019

## WORK EXPERIENCE

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### Software Engineer

*Clarity Partners, LLC*

May 2018 – Present

*Chicago, IL*

- Lead architect of React, Redux, TypeScript, .NET Core infrastructure used to build three significant public sector projects.
- Designed and developed *Case:Incident*, Chicago Police Department's Records Management System used daily by over 12,000 officers and employees.
- Created *Cook County Automated Call Form*, a call center reporting application used at high load by Cook County employees during elections. Used during 2020 presidential election. Hosted on AWS, load balanced with ELB.
- Inspired by dotnet db power tools, wrote configuration-driven code generator that parses JSON and retrieves table metadata to scaffold data layer of .NET Core projects.
- Supplemented logging within scheduled tasks with the ability to send logs to Slack, providing convenient way to monitor health for multiple projects.
- Leveraged Jenkins for continuous integration/deployment, creating end-to-end pipelines for 2 applications totaling 9 environments and 15 Jenkins projects.
- Architected and provided intern guidance for internal search application used to discover body worn camera footage related to an arrest.

### IT Intern

*Goldman & Grant Law Firm*

May 2017 – August 2017

*Chicago, IL*

- Designed processes and documentation on digital document storage (SharePoint).
- Optimized data entry process by re-ordering tasks, lowering employee downtime.

### IT Technician & VBA Developer

*American Hotel Register Company*

May 2016 – August 2016

*Vernon Hills, IL*

- Constructed visual basic script that sends a survey to users with closed help-desk tickets, eliminating manual task that took 4 hours per week.
- Designed process and executed company-wide inventory of computer equipment.

## SELECTED INDEPENDENT PROJECTS

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**Lateplateme** | *Node.js Express, Pug, PostgreSQL, Google Cloud Platform, Git*

December 2017 – Present

- SaaS that helps prevent members of fraternities and sororities from missing meals; helped save over \$96,000 for fraternity
- Implemented an admin portal for accepting payments (using Stripe) and managing users
- Sends automated emails using MailGun; endpoint set up to capture webhooks for payments; hosted on GCP

**Weat** | *Swift, XCode, Node.js Express, Git*

May 2018 – May 2020

- Programmed open-source API for restaurants to manage menus and developers to use restaurant menus and ratings
- Built mobile application that uses API for rating restaurants, rating menu items, and suggesting restaurants to other users
- Designed algorithm to use Google Places API, user location, and Weat data to recommend the best restaurants nearby

## TECHNICAL SKILLS

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**Languages:** C#, JavaScript, HTML/CSS, Sass, SQL (Oracle, SqlServer, Postgres), Java, C, Python, R

**Frameworks:** React, Redux, TypeScript, Node.js, .NET (Core & Framework), Bootstrap, Sass Modules, Django

**Developer Tools:** Git, Docker, Jenkins, Google Cloud Platform, AWS, Azure, VS Code, Visual Studio, WSL

**Leadership Positions:** Parents and Alumni Director, IT Chair, Academic Mentor (Zeta Beta Tau Fraternity, 2017 International Chapter of the Year); K-5 Swim Instructor (Banner Day Camp, Vernon Hills High School)