# Peyton Thibodeaux
## Software Engineer

## My Contact

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## Skills

- Go/Golang, C/C++, and Rust
- Bash and Python
- gRPC and Protobufs
- CI/CD Pipelines
- noSQL and mySQL Databases
- Kafka and Google pub/sub
- AWS, GCP, and Digital Ocean
- Kubernetes and Docker
- Helm and Terraform
- Multithreaded Programming
- Flutter and Dart
- React and Vue
- Firebase
- Cloud Native Architecture
- Microservices patterns
- Test Driven Development
- New Relic and Grafana

## Education

**University of North Texas**     *Graduated 2022*

*Bachelors in Computer Science | cum laude*
Minor in Mathmatics
CSE Cybersecurity Certificate
- UNT Robotics - Webmaster
- Engineers United - Event Technologist
- App Dev Organization - Project Manager

## Competitions

**Miami Hack Week**     *January 2022*
- Won 1st place overall out of 100's of other projects
- Sent a weather balloon into inner space with a Rock block iridium satellite transmitter on board and sent the picture back down to a receiver server to mint an NFT from the image on the polygon chain

**HackBU**     *February 2021*
- Won best financial hack and 2nd best hack overall out of 70 submitted projects
- Developed a mobile application that would help track expenses with multiple analytical views and would insult the user if they made a "bad" monetary decision based on their preferences

## Professional Experience

**Bestow | Software Engineer II**     May 2022 - Present
*Fulltime*
- Created a service generator that significantly reduced the time required to implement new services, bringing it down from weeks to minutes. The tool also sets up Circle CI workflows, GCP database instances, proto files, and SOPS secrets in a seamless and efficient manner
- Applied expertise in distributed systems and microservices to deliver scalable and reliable solutions to technical problems
- Took ownership of aspects of the team as a distributed team lead, where I was in charge of different top-level epics such as improved testing strategy or top-level features such as immutable notes on applications

**Sonr (startup) | Lead Protocol Engineer**     January 2022 - May 2022
*Contract*
- Contributed to the design and development of a decentralized protocol for blockchain operations using the Sonr SDK and Go services hosted in Kubernetes clusters
- Leveraged Cosmos development tools to perform various blockchain operations
- Enhanced the Sonr SDK to facilitate the development of decentralized applications (DApps)
- Contributed to the development of internal tools and processes to support the team's workflow and productivity

**Agglo (startup) | Lead Backend Engineer**     June 2021 - February 2022
*Contract*
- Developed and deployed a highly scalable backend using Golang, MongoDB Atlas, and GraphQL for our flagship product, TagMatch
- Designed and implemented an advanced matching algorithm using a weighted tree structure to pair up users to our chat system
- Established a backend delivery and CI/CD pipeline using Digital Ocean and Docker to support staging and production deployments
- Collaborated with frontend engineers to take the product from ideation to successful production launch

**Telecore | Software Engineer**     May 2021 - November 2021
*Contract*
- Developed and maintained software applications for multiple telecommunication systems using a codebase largely written in C++
- Created a code header file tracking system for the company's codebase stored in Perforce optimized search times by 80%
- Served as lead developer for a new webform on the ASP site, which is used to generate quality assurance test reports for vendors.
- Assumed responsibility for software maintenance on a large-scale security-related project inherited from a previous colleague.
- Designed and implemented validation python scripts that automated regressive testing, saving 20+ hours of company resources each week

**UNT System ITSS | Software Engineer**     October 2019 - August 2021
*Fulltime*
- Maintained hundreds of Drupal and WordPress sites, ensuring that modules were up to date and assisting other web developers in debugging issues with custom JavaScript and PHP features
- Managed time-sensitive updates, including content changes and database upgrades, with a focus on meeting deadlines and maintaining the integrity of the sites
- Developed app integrations with RESTAPIs and other services, including Google Maps, social media logins, and payment processors
- Led a major theme overhaul of the itss.untsystem.edu site, resulting in improved usability and aesthetics
- Collaborated with project managers and clients to identify and address technical requirements and constraints