Peyton Thibodeaux

Software Engineer

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Passionate and driven Software Engineer with 4 years of experience in product development. Committed to impactful software solutions that enrich people's lives. Eager to learn and collaborate, I thrive on challenges and seek opportunities to grow within dynamic teams. Graduated with honors in Computer Science and possess a strong drive for innovation.

Experience

Software Engineer | Bestow
May 2022 - Current

- Utilized a modern tech stack, including Go, PostgreSQL, GCP, and Auth0, to architect and deliver highly scalable and reliable solutions in distributed systems and microservices,
- Demonstrated leadership as a distributed team lead, driving top-level epics like improved testing strategy and implementing key features
- Engineered and successfully deployed a production-ready "refer to underwriter" service in Go within a remarkable four-month timeline, showcasing backend feature expertise and dedication to delivering impactful solutions.
- Spearheaded the development of a Python-based service generator, drastically reducing new service implementation time from weeks to minutes.
- Utilized pub/sub architecture to design robust and efficient communication channels between microservices, ensuring seamless data flow and enhancing system flexibility.

Lead Backend Engineer | Agglo
August 2021- May 2022

- Led end-to-end development and scaling of a high-performance server as the lead backend engineer, taking it from inception to supporting 5000 concurrent users.
- Engineered a cutting-edge server architecture with Golang, MongoDB Atlas, and GraphQL, enabling seamless integration with the frontend and optimizing user engagement.
- Devised an innovative matching algorithm, leveraging a weighted tree structure to significantly reduce pairing latency within the chat system, enhancing user experience.
- Established a robust CI/CD pipeline with Digital Ocean and Docker, ensuring efficient staging and production deployments, contributing to improved development efficiency and system reliability.
- Mentored and onboarded a team of 5 engineers, fostering a collaborative environment and enhancing team productivity.
- Collaborated closely with cross-functional teams, providing strategic insights and guiding the project to a successful product launch, achieving widespread user adoption and positive feedback.

Software Engineer | UNT System ITSS
October 2019 - August 2021

- Maintained and optimized hundreds of Drupal and WordPress sites, ensuring module updates, and providing expert assistance to web developers in resolving custom JavaScript and PHP issues.
- Efficiently managed time-sensitive updates, including content changes and database upgrades, consistently meeting deadlines while upholding site integrity.
- Developed seamless app integrations with REST APIs and various services such as Google Maps, social media logins, and payment processors, enhancing functionality and user experience.
- Led a successful major theme overhaul for the itss.untsystem.edu site, resulting in a significant enhancement of usability and aesthetics.

Education

Bachelors of Engineering in Computer Science, minor in Mathmatics

University of North Texas
Cum Laude

Skills

- Go / Golang
- React
- C#
- Typescript / JS
- Kubernetes and Docker
- AWS / GCP / Azure
- New Relic / Grafana
- DevOps
- Microservices patterns
- Test Driven Development
- Flutter / Dart
- SQL
- Python
- C / C++
- Terraform and Helm
- Firebase
- Kafka / Google Pub/Sub
- Security
- Cloud Native Architecture
- Agile Methodologies

Contract Work

Protocol Engineer | Sonr   *January 2022- May 2022*

- Contracted to lead the development of a decentralized blockchain protocol, with a focus on building a robust peer-to-peer networking layer using Golang, libp2p, and IPFS.
- Leveraged Cosmos development tools for various blockchain operations, enhancing project efficiency and success.
- Enhanced the Sonr SDK to facilitate decentralized application development, empowering developers with innovative capabilities.
- Successfully implemented seamless communication and data exchange between nodes on the decentralized blockchain network, ensuring networking layer's reliability and scalability.

Backend Engineer | Centene   *November 2021 - June 2022*

- Developed and maintained large-scale healthcare back-end applications and API's, serving millions of users.
- Implemented a Kafka consumer-producer architecture to facilitate efficient data transmission.
- Created a microservices API to facilitate the storage and retrieval of patient authorization information, resulting in improved data transmission between multiple applications.
- Utilized a range of tools and technologies, including Go, Kafka, Kubernetes, AWS, MongoDB, Grafana, and SQL, to deliver high-quality solutions.

Software Engineer | Telecore   *May 2021 - November 2021*

- Created a proof of concept for a header file tracking system for the company's codebase stored in Perforce.
- Optimized and improved the internal company's ASP site.
- Automated hardware testing processes using various scripting languages, including Python and Perl.
- Served as lead developer for a new webform on the ASP site, which is used to generate quality assurance test reports for vendors.
- Designed and implemented validation scripts that automated regressive testing, saving company resources.