# Prince Chowdury

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## SUMMARY

Full-Stack Software Engineer skilled in a broad range of Software Engineering areas, from backend optimizations and third-party integrations to building responsive, user-friendly applications. Enthusiastic problem solver passionate about creating scalable, high-performance solutions and automating workflows to improve reliability and efficiency.

## SKILLS

**Languages**: C#, Python, Ruby, Java, JavaScript, TypeScript, SQL, HTML, CSS
**Frameworks**: .NET, Ruby on Rails, ReactJS, NextJS, ExpressJS, NodeJS, Tailwind, Bootstrap
**Databases/ORMs**: SQL Server, PostgreSQL, MongoDB, Entity Framework, Active Record
**Tools**: Git, GitHub, TFS, Adobe XD, Visual Studio, Visual Studio Code, RSpec, MSTest, Azure DevOps, Docker

## EXPERIENCE

**Finys** | *Full-Stack Software Engineer* — Jan 2024 - Present
- Developed dynamic, structured components for integrating third-party services by applying Object-Oriented Programming principles, which ensured clean, maintainable code and allowed for flexibility in adapting to various client needs.
- Implemented rigorous unit testing protocols that improved system reliability, achieving a 95% QA pass rate and reducing testing time by 30%, which sped up the development cycle.
- Conducted strategic code refactoring initiatives to optimize memory and processing resources, introducing new functionalities while preserving backward compatibility for seamless integration with existing systems.
- Optimized database queries for large datasets, reducing execution time from 10 minutes to 30 seconds, significantly improving system performance and efficiency.
- Developed and implemented a monitoring component to integrate external data sources, gathering requirements from business stakeholders to ensure alignment with client needs. This component improved the system's capability to process large datasets efficiently, enhancing accuracy and performance for key business operations.

**Lief Labs** | *Full-Stack Software Engineer* — Aug 2020 - Dec 2023
- Led development of user-friendly frontend components using ReactJS and NextJS, improving site responsiveness and increasing user engagement by 10%.
- Developed a live warehouse dashboard using Ruby on Rails and the UpKeep API, improving inventory accuracy by 20% and aiding packaging line workers in task monitoring.
- Implemented an optimization strategy leveraging the capabilities of NextJS server-side rendering, resulting in a remarkable 20% acceleration in application load times. This innovative approach significantly enhanced the overall user experience.
- Played a pivotal role in maintaining code integrity through thorough reviews, fostering collaboration for ongoing improvement. Authored crucial documentation, aiding swift bug resolution for the development team.

**California State University of Northridge** | *Computer Science Tutor* — Feb 2019 - Mar 2020
- Guided students through foundational programming principles by providing in-depth examples of data structures and algorithms to enhance comprehension.
- Led weekly sessions to support students in mastering Object-Oriented Programming concepts, offering targeted guidance for those facing challenges.
- De-structured complex assignment problems into manageable concepts, facilitating a step-by-step approach that led to comprehensive solutions.
- Enhanced understanding of abstract concepts, such as trees, graphs, linked-lists, arrays, by creating visual aids and engaging students in hands-on, illustrative activities.

## EDUCATION

**California State University - Northridge** — Aug 2016 - May 2022
*Bachelor of Science in Computer Science*