

Baljot Singh

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EDUCATION

University of Wisconsin-Milwaukee

2019 – December 2023

Bachelor of Science: Computer Science

3.7 GPA

CERTIFICATES

- AWS Certified Developer – Associate

SKILLS

Languages

C#, Java, HTML/CSS/JavaScript, Python, SQL

Technologies

Spring Boot, ASP.Net, Django, MVC, React.js, AWS, Google Cloud

EXPERIENCE

Noto

React, Google Cloud, Capacitor.js, PWA

- Developed a PWA to replace paper logs and manual entry, automating lottery inventory and sales tracking, resulting in over 100 hours saved annually.
- Implemented Firebase for secure user authentication and real-time database management, ensuring a seamless experience for users.
- Leveraged Firebase Cloud Functions to automatically scrape the Wisconsin Lottery site for newly available instant lottery games, keeping inventory current without manual updates.

Teaching Assistant Scheduling App

Django, Agile, Bootstrap

- Collaborated in a team of six to develop a web application streamlining the assignment of teaching assistants to courses, improving efficiency in scheduling and assignment management.
- Contributed to both the backend and frontend, ensuring a cohesive, user-friendly interface and a reliable application infrastructure.
- Applied software engineering methodologies including Agile practices and SOLID design principles to maintain code quality and support scalability.

PantryPals

Firebase, React, Github Actions, CI/CD

- Collaborated in a team to develop a cross-platform app that helps users keep track of items in their fridge, utilizing Firebase services for the backend.
- Curated techstack according to teammates background and project requirements.
- Set up a CI/CD pipeline using Firebase Hosting and GitHub Actions to automate testing and deployment, ensuring smooth updates to the production environment.

AuctionHub

Spring Boot, React, AWS, GraphQL

- Developed a full-featured auction site with Spring Boot for GraphQL, handling bids, comments, and categories, and implemented AWS Cognito for secure user authentication, including features like login, signup, password reset, and multi-factor authentication (MFA).
- Integrated AWS S3 for efficient image storage and retrieval, supporting multiple images per auction listing and enhancing scalability.
- Built an interactive frontend with React.js, integrating AWS Cognito's JWT tokens to enable secure, authenticated requests.