





# Patrick Klein

Full Stack Engineer | B.S. Computer Science

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## Summary

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Full-stack engineer with 4 years of software development experience specializing in React, TypeScript, Node.js, and PostgreSQL. Experienced in secure, real-time features, and API design. Seeking roles aligned with modern web stacks and scalable product development.

## Stack

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- Work: **Java, Spring, SQL**
- Projects: **React, TypeScript, Node.js, PostgreSQL, Sequelize, GraphQL, TailwindCSS, Jest**

## Education

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### University of Texas at Dallas

B.S. Computer Science with Mathematics minor | GPA 3.7/4.0

## Work Experience

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**Logic Information Systems | Software Engineer and Consultant** | Apr 2021 - Aug 2024

### Associate Consultant of the Year (2021)

- Responsible for backend development and maintenance of retail's Point of Sale (POS) system in teams of 2-15 people for 1000+ retail stores.
- Developed and maintained APIs (RESTful & SOAP in Java / Spring) to integrate Oracle Xstore POS with Customer Loyalty, Order Management and Promotion systems
- Maintained Electronic Fund Transfer (EFT) Payment systems while collaborating with third-party authorization providers to reduce transaction failures (by 85%)
- Developed, maintained and optimized SQL Queries (for Oracle and MS SQL Server) and designed operational reports enabling actionable insights on sale, labor and inventory.
- Worked and collaborated with clients to provide user stories, specifications, and task estimates while setting realistic expectations with clients.
- Managed agile workflow and project progress. Provided code reviews.

## Projects

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### Survivor Fantasy League

Compete with friends in a fantasy league for Survivor – predict outcomes, earn points, and climb the leaderboard.

- **Frontend:** React, Redux, TypeScript, TailwindCSS
- **Backend API:** Node.js, Express, TypeScript, PostgreSQL with Sequelize ORM and OpenAPI 3.0 standard
- **Infrastructure:** AWS for storage, data caching and data delivery optimization