

# Denil Dominic

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## SUMMARY

Entry-level Software Engineer (BS CS, DePaul '25) focused on backend + full-stack development. Built and deployed Next.js/React apps and Java/Spring Boot services with PostgreSQL, Docker, and CI/CD. Strong in API design, data modeling, and debugging production issues.

## EDUCATION

### DePaul University

*Bachelor of Science in Computer Science – Software Development Concentration*

Chicago, IL

August 2025

- **GPA:** 3.55/4.0 | Honors: **Cum Laude**

- **Relevant Coursework:** Data Structures & Algorithms, OOP, Distributed Systems, Global Software Development, Data Analysis, Database Programming, Compiler Design, Agile Software Development, Intro to Android Development

## TECHNICAL SKILLS

**Languages:** Java, TypeScript, JavaScript, Python, SQL, HTML/CSS, C/C++, Bash, C#

**Frameworks & Libraries:** Spring Boot, ReactJS, Next.js, Node.js, PostgreSQL, Prisma, Vue.js, JavaFX, JUnit

**Tools & Technologies:** AWS, Git, Docker, Apache Kafka, Postman, Jira, Maven, Firebase, Vercel

**Concepts:** RESTful API Design, Microservices Architecture, OAuth 2.0, CI/CD, Agile/Scrum, Test-Driven Development, Database Design, UI/UX Development

## TECHNICAL PROJECTS

### chiCommute | [Website](#) | [Source Code](#)

ReactJS | TypeScript | Vercel | Firebase

- Built a mobile-responsive web app that shows real-time CTA bus and 'L' train arrivals by integrating two public transit APIs in a **ReactJS** and **TypeScript** frontend deployed on **Vercel** with **Firebase** backend.
- Improved reliability and maintainability by adding **TypeScript** models and API adapters and by standardizing error handling and reusable UI components.

### Work-Desk Reservation System | [Source Code](#)

Java | Spring Boot | OAuth 2.0 | AWS | Apache Kafka

- Developed a microservices desk-reservation platform (backend only) using **Java Spring Boot**, **AWS** (EC2, RDS, S3), and **Apache Kafka** for inter-service communication, enabling employees to reserve work desks efficiently.
- Implemented **OAuth 2.0** login and role based access control and connected microservices using **Kafka** for asynchronous communication between features.

### JobLedger | [Website](#) | [Source Code](#)

NextJS | ReactJS | TypeScript | Tailwind | PostgreSQL

- Built a job tracking app with **Next.js**, **TypeScript**, **Prisma**, **PostgreSQL**, **Tailwind** and **shadcn/ui** that lets users save job postings, run resume scoring, and search jobs through the **Adzuna** API deployed on **Vercel**.
- Implemented clean **REST APIs**, data models, and **CI/CD** with strong error handling, achieving smooth UX and responsive design.

### ByteBudget App | [Website](#) | [Source Code](#)

ReactJS | TypeScript | Prisma | Tailwind

- Created a full-stack budget tracking app using **ReactJS**, **TypeScript**, **Prisma**, and **Tailwind CSS** that allows users to set budgets, track expenses, and visualize spending patterns with dynamic charts.
- Added Zod request validation JWT httpOnly authentication and a **Docker** based development setup to improve security and consistency across environments.

### Tetris Game | [Source Code](#)

Java | JavaFX | CSS | Maven | JUnit

- Built a **JavaFX** Tetris game with **Maven** implementing piece rotation, collision handling, line clearing, and scoring with a clean separation between UI and game logic.
- Wrote 20+ **JUnit** tests to prevent regressions and ensure code quality, achieving **85%** code coverage across game logic components.

## PROFESSIONAL EXPERIENCE

### Amazon

Kenosha, WI

*Fulfillment Center Associate*

Jul 2021 – Present

- Operate Linux-based handheld devices and warehouse management systems processing 1000+ items daily with 99.9% accuracy in high-volume environment.
- Cross-trained across multiple technical roles (packing, stowing, picking, problem-solving) collaborating with distributed teams to troubleshoot issues and optimize workflow efficiency.

### Walmart

Gurnee, IL

*Tech Department Associate*

Oct 2020 – Jan 2021

- Provided technical support for electronics troubleshooting Windows and Linux-based devices; configured and validated systems following QA protocols.