

Patrick Ducusin

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Education

Wayne State University – 42 W Warren Ave, Detroit, MI 48202

- September 2020 – Ongoing
- B.S. in Computer Science – 4.0 G.P.A.
- Expected graduation date – December 2023

Experience

Full Stack Software Engineer Internship

Allstate | *Remote* | May 2023 - Ongoing

- Developed multiple software features using the Java Spring Boot framework, significantly enhancing the functionality and user experience of the existing system.
- Regularly used Postman to test API orchestration, ensuring robust and efficient API performance and identifying areas for improvement.
- Conducted rigorous unit testing to achieve 95% coverage and higher to ensure software quality and reduce potential issues in production. Testing was facilitated through the modern testing frameworks of JUnit and Mockito.
- Configured properties for the CI/CD pipeline using Gradle, Jenkins, and SonarQube, expediting the software development process and facilitating the smooth deployment of new features.

Software Projects

Personal website: patrickducusinportfolio.dev (for additional projects and information)

Daily motivational quotes mobile app

- Developed a cross-platform mobile application that utilizes Flutter and Dart to allow users to receive motivational quotes from an external API and store them for future reference.
- The app also features secure data storage and authentication in the cloud with Firebase services, and the app allows users to share received or saved quotes.

Forum website

- Built a type-safe full-stack forum website using TypeScript, Tailwind CSS, Next.js, and MySQL that allows users to create reviews and explore degree pathways offered by their college or university.
- Implemented authentication and internal APIs with functional middleware for secure data manipulation throughout the entire website.

E-commerce website

- Created an online e-commerce website with Next.js, Stripe, and Sanity.io, providing users with seamless browsing and purchasing experience.
- Integrated the Stripe API to enable secure online payments.

Skills

Languages: TypeScript, JavaScript, Python, Dart, Java, Kotlin, C++, C, HTML, CSS, SQL

Version Control: Git, GitHub

Other: React, Next.js, Flutter, Firebase, MySQL, Spring Boot, Tailwind CSS, Jest, JUnit, MUI, Postman, Jenkins, SonarQube