

Jordan Powers

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TECHNICAL SUMMARY

Java Engineer with expertise in API design, core infrastructure development, and performance optimization. Proven experience improving algorithm performance, reducing runtime by up to 50%. Skilled in crafting scalable systems, conducting in-depth performance analysis, and collaborating with cross-functional teams to deliver robust, high-quality software solutions. Strong familiarity with Java development, concurrency management, and scalable APIs.

EDUCATION

California Polytechnic State University | San Luis Obispo, CA | 2018 – 2022

- **Major:** Software Engineering, B.S.E. (GPA: 3.98)
- **Awards:** *Summa cum laude*, Dean's Honors List, President's List
- **Programming Coursework:** Data Structures, Systems Programming, Operating Systems, Software Requirements Engineering, AI & Deep Learning

WORK EXPERIENCE

Software Engineer | Elastic | 2024 – Present

- Contributed to key functionality and performance improvements to core elasticsearch.
- Collaborated efficiently and effectively in a distributed environment.

Software Engineer | Raytheon | 2022 – 2024

- Contributed to the core flight software of the Next-Generation OPIR satellite, developing high-quality technical solutions while fostering a culture of continuous improvement.
- Conducted in-depth integration testing of core algorithm functionality involving the verification of thousands of data points across rigorous end-to-end integration tests.

PROJECT EXPERIENCE

Attendance Manager

<https://github.com/momentumfrc/attendance-manager>

- Developed a full-stack web application for efficient attendance tracking, focusing on a scalable REST API architecture for backend communication.
- Implemented key features such as check-in/check-out event registration, individual student attendance reporting, and aggregate per-meeting statistics, significantly improving data accuracy and user efficiency.
- Optimized database queries and API endpoints to ensure high-performance responses, demonstrating proficiency in developing scalable infrastructure.
- Leveraged modern technologies including TypeScript, Angular, PHP, Laravel, and MariaDB

Flipt(ed) Android | Undergraduate Capstone Project

<https://flipted-android.gitbook.io/fliptedandroid/>

- Led the end-to-end development of an Android student client for a new learning management system, ensuring high-quality code and seamless user experience.
- Collaborated on the design a robust backend API, ensuring efficient communication between the Android client and cloud-based backend services.
- Focused on delivering a user-friendly, efficient, scalable, and reliable application by applying best practices in Android development, code reviews, and problem-solving techniques.

SKILLS

Proficient: Java, C++, C, API Design, Python, TypeScript, PHP

Concurrency Management, Performance Optimization, Data Structures, Git/GitHub

Agile Development, REST principles, Cross-Functional Teamwork

Familiar: Docker, Kubernetes, SQL, Jenkins, Github Actions