



# Luke Acosta

## Application for Entry-Level Java Developer

### Contact

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Hiring Manager  
Northstar CodeWorks  
Naperville  
IL

Dear Hiring Manager,

I am applying for the Entry-Level Java Developer position at Northstar CodeWorks. I completed my Bachelor of Science in Computer Science in 2026 and have built Java applications through a supervised development practicum, a capstone project, and several object-oriented programming projects. I am looking for an entry-level role where I can contribute useful code, receive thoughtful feedback, and continue developing the skills needed for client software projects.

In my Java development practicum, I built a Core Java equipment-reservation service across a 12-feature backlog. I translated faculty requirements into user stories and class diagrams, added validation and JUnit tests for reservation conflicts and invalid records, and connected the application to PostgreSQL with JDBC. Working with two other students, I used Git branches and pull-request reviews to organize changes and improve each release. The completed prototype earned a high distinction for its reliability and documentation.

My capstone project gave me additional practice separating business rules from persistence and request handling in a Java REST-style application. I implemented search, filtering, registration, and profile features, then used logs, debugger sessions, and issue tracking to identify and correct defects. I have also applied C++ to data-structure and algorithm exercises, and I facilitated a coding interview practice group while serving as a peer tutor. These experiences have made me comfortable learning unfamiliar details, explaining technical decisions, and improving a solution through testing.

I would welcome the opportunity to discuss how my Java, Core Java, C++, testing, and documentation experience could support Northstar CodeWorks. Thank you for your time and consideration.

Sincerely,

Luke Acosta

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