

Yevhenii Shypitsyn

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Dear Hiring Manager,

In this letter, I would like to elaborate on the reasons your company should consider me as a potential valuable employee. I would like to provide further details about the skills I possess and the technologies I have learned over the last 7 years.

I am most proficient in **Java**, having written and researched various applications from mammoth monolithic U.S. bank Single Point application, to the lexical and syntax analyzers and an executor with a garbage collector algorithm I wrote during the course of 12 weeks for a class named “Principles of Programming languages”, which I took at The Ohio State University, from which I learned how Java is implemented on a lower level, including its garbage collector algorithms, and how it compares with other object-oriented programming languages. During my internship at Pelican Technologies Inc., I wrote Java code for various **Android** mobile applications, used multithreading techniques, and encrypted data to communicate with a remote server written in **C#**, in which development I assisted, over TCP/IP and Bluetooth sockets.

I am also prepared to write **JavaScript** code, or use other famous web application frameworks, such as **Angular**, and the prominent **Node.js** runtime environment. I have used **Ruby** and **PHP** for web development. I completed a “Web Applications” intensive project-based course, in which I learned in detail the nuances of writing code in the 3 languages mentioned above, how they are implemented on a lower level, and completed 6 intensive projects in these languages.

I used **Python** for a personal web scraping project, as well as for a course named “Introduction to Artificial Intelligence”, in which I implemented graph search algorithms, PCA, linear regression, Naïve Bayes, Logistic regression, and Perceptron algorithms from scratch.

C is also among the first languages I learned, and I have widely used it for coursework. For a “Computer Architecture and Systems” course, I learned in depth about how operating systems are built; for “Computer Networking”, I implemented TCP and UDP servers and clients. I am using C for a course named “Parallel Computing”.

Furthermore, I designed a relational database system, wrote **SQL** queries, and learned relational algebra and calculus in a “Database Systems” course.

I received highest scores for the coursework projects at The Ohio State University. I assisted in teaching a course named “Software Components”, for which I explained tree search algorithms, recursion, and implementations of data structures.

I hope you will find this information valuable, and I look forward to hearing from you soon!

Sincerely,
Yevhenii Shypitsyn