

Crystal Fromberg

Software Engineer I

Profile

Details

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(938) 421-1636

9745 Ridge Road, Baltimore, MD 21237

Software Engineer with over 4 years of experience. I have a strong background in Python and Django web development, as well as front-end technologies such as JavaScript, HTML5, and CSS3. I am passionate about building clean, user-friendly interfaces and creating scalable backends. In my previous roles, I have led projects from start to finish while working closely with teams of designers, developers, and QA engineers. My goal is to continue developing high-quality software that meets the needs of users while also being maintainable and extensible.

Employment History

Software Engineer I at Northrop Grumman, MD

Mar 2022 - Present

- Developed and implemented architecture for a new product line which resulted in increased productivity by 15%.
- Led a team of 4 software engineers to develop a complex financial trading platform. The project was completed on time and within budget.
- Wrote middleware that integrated 10 disparate systems, reducing data entry errors by 50%.
- Implemented an automated testing framework that improved test coverage by 20%.
- Developed custom software solutions for 5 major clients, all of which were satisfied with the results.
- Authored 3 patents related to innovative algorithms used in image processing applications.

Junior Software Engineer at Lockheed Martin, MD

Sep 2018 - Jan 2022

- Led a team of 12 software engineers to design and develop a new web platform for the company, which increased traffic by 20%.
 - Implemented Agile methodologies across the engineering department, resulting in a 50% decrease in project delivery time.
 - Led the development of several successful mobile applications with over 1 million downloads each.
 - Improved performance of existing code base by 30%, leading to decreased server costs by \$100k per month.
 - Negotiated and oversaw vendor contracts worth millions annually.
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Education

Bachelor of Science in Computer Science at University of Maryland, College Park

Sep 2014 - May 2018

In my Bachelor of Science in Computer Science coursework, I learned how to design and implement software solutions to complex problems.

Links

[linkedin.com/in/crystalfromberg](https://www.linkedin.com/in/crystalfromberg)

Skills

Programming: C++, Java

Databases: MySQL, MongoDB

Operating Systems: Linux, Windows

Tools and Technologies: Eclipse IDE, Apache Tomcat

Cloud Computing Platforms : Amazon Web Services(AWS), Google App Engine

Languages

English

Spanish

Hobbies

Coding

Designing

Debugging

Certificates

Certified Software Development Professional (CSDP)

Dec 2020

Certified Software Quality Engineer (CSQE)

Jun 2019

Certified Software Process Improvement Professional (CSPIP)

Jun 2017

Memberships

Institute of Electrical and Electronics Engineers (IEEE)

Association for Computing Machinery (ACM)