

# Joshua dela Cruz

[5zurcaledgj](#) | [jgdelacruz5](#) | [jgdelacruz5@gmail.com](mailto:jgdelacruz5@gmail.com) | [+63 908 866 2472](#)

## SUMMARY

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A mathematics graduate who found love in programming. I am working as a backend developer with PHP as the main programming language but I am also familiar to Python and NodeJS. Currently, DevOps is getting my interest and on my free time, I try to learn the overall infrastructure of an application - from load balancing, horizontal scaling, caching, security, database management, disaster preparedness, and many more. I want to see the whole picture. I know mathematics and computer science coincides together and so I plan to get a master's degree in computer science someday where I can learn advance computer science concepts and apply my knowledge of math theories.

Being only but a human, I also love watch Netflix series, investing in cryptocurrencies, jogging, and playing badminton (prepandemic). I am open to any opportunities related to my interest.

## WORK EXPERIENCE

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### Software Engineer

July 2022 - present

Development of seller dashboard as a simpler version for CS-Cart vendor dashboard using VueJS for frontend and Ruby on Rails for backend. Development of seller dashboard as a simpler version for CS-Cart vendor dashboard using VueJS for frontend and Ruby on Rails for backend.

### Senior Backend Developer

Feb 2022 - Jun 2022

- Integrated Reuters API to the client's CMS (WordPress): articles are pulled from Reuters for the content managers to approve. Developed auto publish as well using cron scheduled to run on client's preset dates.
- Created POC for the backend of mobile application (NodeJS, Supabase) of a coffee shop - the connection of the the mobile application to the database
- Added POC for processing payments using e-wallets and cards using PayMongo payment gateway.

### Software Engineer

Mar 2019 - Feb 2022

- Integrated payment gateways such as Latitude, Worldpay, and GrabPay, used 3rd party APIs such as Google Distance Matrix to calculate distance between stores and users, Hexa3D to render iframes with 3D objects and improve customer experience, et
- Analyzed and optimized complex MySQL queries to speed up the execution and overall load speed
- Refactored code to distribute the load for Redis calls and make sure that servers gets equal number of requests (making horizontal scaling not an issue)
- Participated in PHP upgrade (version 5.6 to 7.4)
- Maintained and fixed issues regarding integration of SAP and POS systems, automated and scheduled processes via cron jobs
- Did code reviews to make sure code changes abide the company's coding standards, spot inefficiencies since the application is processing hundreds of thousands of data, and the change does not negatively impacts the overall application performance
- Trained new hires by giving them a simple feature to work on and help them understand the overall infrastructure of the application

Handled scheduling of the tickets; lead scrum meetings, regularly met with clients for reporting, ticket discussions, and setting expectations; did initial investigations of tickets, provided estimates, and handled assignments of tickets

Senior R&D Engineer

July 2016 - Mar 2019

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Assesses scope and difficulty of tasks and assigns to a qualified developer

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Responsible in reviewing developers’ works- both implementation and debugging process

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Makes sure that developer in charge follows coding conventions, considers efficiency, and work is of top quality

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Provides input as to how certain new features of printer is to be implemented

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Estimates duration of tasks based on previous data and related experience

PROJECTS

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Some Project

Link to Demo

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blah that will wrap when the table fills the column width long long line of blah blah that will wrap when  
the table fills the column width long long line of blah blah that will wrap when the table fills the column  
width

EDUCATION

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2022 - present

Master of Science (Computer Science) at **University of the Philippines**

2012 - 2016

Bachelor of Science (Mathematics) at **University of the Philippines**

PUBLICATIONS

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Last Name, First Name and First Name Other Last Name (Sept. 2019). “Paper: This is the name of the  
paper”. In: *Some Journal* 99.18, pp. 2200–2300. URL: <https://some-link.com>.

Last Name, First Name and First Name Again Last Name (Sept. 2022). “Paper II: This is another paper”.  
In: *Some Journal* 99.18, pp. 2200–2300. URL: <https://some-other-link.com>.

SKILLS

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Some Skills

This, That, Some of this and that etc.

Some More Skills

Also some more of this, Some more that, And some of this and that etc.