

## Jay Lucky D. De Guia

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An impact-driven tech leader and full-stack developer with strong roots in community building and blockchain education. Currently a Microsoft Learn Student Ambassador and Project Manager Intern at DEVCON Philippines, leading inclusive initiatives that bridge underserved communities to emerging technologies.

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### Technical Skills

#### Languages

HTML, CSS, JavaScript, TypeScript, Python, C++, Solidity, Motoko

#### Frameworks, Libraries & Tools

React, Node.js, Express, Tailwind, Next.js, Firebase, ICP SDK, Docker, Git, MongoDB, Supabase, SQL

#### Blockchain & Smart Contracts

Internet Computer Protocol (ICP), Ethereum, Motoko, Solidity, DApps, Wallet Integration, Token Standards

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### Experience

#### Project Manager Intern

*DEVCON Philippines – Remote / National*

##### July 2024 – Present

- Spearheaded blockchain-focused outreach projects in underserved communities, helping deploy over 268 smart contracts and retraining 50+ mentors.
- Led national-level events like *#SheIsDevcon* and *DEVCON Code Camps* across Lipa City, Pampanga, Bukidnon, Laguna, Iloilo, and Bataan.
- Co-created curricula for civic tech and decentralized app (dApp) development bootcamps.

#### Full Stack Student Developer & Mentor

*Independent / DEVCON Collaborations*

##### 2023 – Present

- Developed a customizable blockchain portfolio dApp using Motoko and the Internet Computer Protocol: <https://eg5ir-byaaa-aaaae-qcukq-cai.icp0.io>
- Taught participants on fundamentals of blockchain architecture, on-chain logic, and smart contract deployment.
- Helped mentor over 1,000 students in nationwide workshops, fostering grassroots adoption of Web3.

#### Microsoft Learn Student Ambassador

*Microsoft – Global Community*

##### 2023 – Present

- Represented Microsoft in local tech events, mentoring students in cloud computing, Git/GitHub, and software engineering best practices.
- Initiated workshops integrating Microsoft technologies with blockchain and decentralized identity.

#### Lead Developer, REGAIN K.Exo Project

*De La Salle Lipa – Batangas, Philippines*

##### 2024 – Present

- Spearheading the development of a 3D printed knee exoskeleton for stroke rehabilitation, focusing on the integration of machine learning to predict recovery outcomes based on knee joint activity.
- Leading a cross-functional team in the creation of a dashboard for tracking and visualizing rehabilitation data, using Python and React for backend and frontend development.
- Overseeing the integration of hardware sensors for temperature, sound, and ultrasonic measurements within the exoskeleton system.

- [GitHub Repository](#)

### **Organizer & Data Analyst, c(Old) (ST)art Hackathon 2024**

*DEVCON Philippines – Ortigas, Pasig City*

#### **October 2024**

- Led the development and launch of a gamified traveling app, addressing user needs for customized vacation itineraries with integrated XP rewards.
- Coordinated a team of developers, designers, and project managers to create a prototype in less than 24 hours, earning recognition for its innovative approach.
- Assisted in event organization, ensuring smooth logistics and promoting team collaboration during the hackathon.

### **Data Analyst & Operational Director**

*GBPAA – Batangas, Philippines*

#### **2023 – Present**

- Developed and implemented data-driven strategies to improve event coordination and participant engagement in tech and blockchain-based events.
- Managed operational tasks, ensuring smooth execution of events, including logistics, budgets, and sponsor communications.
- Analyzed participant feedback and event data to optimize future events and improve overall experience.

### **Headstarter Software Engineering Fellow**

*Headstarter – Remote*

#### **2024**

- Contributed to the development of 5 AI projects in 5 weeks, with a focus on building scalable applications and gaining hands-on experience with AI frameworks.
- Delivered a final project aimed at attracting at least 1000 users to a waitlist, enhancing user experience and engagement.

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## **Education**

### **Bachelor of Science in Computer Science**

*De La Salle Lipa – Batangas, Philippines*

**Expected Graduation: 2025**

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## **Awards**

### **Dean's Lister Awards**

- Top Outstanding College Student – Awardee, Academic Year 2023-2024
- Second Semester 3rd Honor, De La Salle Lipa, Academic Year 2023-2024
- First Semester 3rd Honor, De La Salle Lipa, Academic Year 2023-2024
- Second Semester 2nd Honor, De La Salle Lipa, Academic Year 2022-2023
- First Semester 1st Honor, De La Salle Lipa, Academic Year 2022-2023
- Second Semester 1st Honor, De La Salle Lipa, Academic Year 2021-2022

- First Semester 1st Honor, De La Salle Lipa, Academic Year 2021-2022

#### **Academic Award**

- Top Student in Web Development, De La Salle Lipa, S.Y. 2023-2024
- Top Student in Mobile Application, De La Salle Lipa, S.Y. 2023-2024
- Top Student in Internet of Things, De La Salle Lipa, S.Y. 2023-2024
- Top Student in Data Structures and Algorithms, De La Salle Lipa, S.Y. 2022-2023
- Top Student in Human-Computer Interactions, De La Salle Lipa, S.Y. 2022-2023
- Top Student in Object-Oriented Programming, De La Salle Lipa, S.Y. 2022-2023
- Top Student in Computer Programming, De La Salle Lipa, S.Y. 2021-2022

#### **Other Achievements**

- Domain Proficiency Awardee – Technology, Affordable Private Education Center, S.Y. 2020-2021
- Rank 3 – Overall Strand, Affordable Private Education Center, Academic Year 2020-2021
- 1st Place in Math Trail Competition, Lipa City National High School, S.Y. 2018-2019
- Consistent Honor Awardee, Lipa City National High School, Academic Year 2015-2019

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#### **Trainings and Seminars**

- Guest Speaker at Internet Computer Protocol – Blockchain, Holy Cross College, Polytechnic University of the Philippines, and Asia Pacific College of Advanced Studies
- Speaker at Power Business Intelligence for 4th Year Students, De La Salle Lipa, August 20, 2024
- Facilitator at Campus DEVCON, Far Eastern University, July 1, 2024
- Mentor at AnimaCSS Bootcamp, Jose Rizal University, May 7, 2024
- Head Organizer at MasterClass 101 x Campus DEVCON Ambassador, De La Salle Lipa, April 26, 2024
- Empowering Tomorrow's Female Tech Leaders: Celebrating International Girls in ICT Day, STI Batangas, April 25, 2024
- Mentor at Campus DEVCON, Lipa City Colleges, April 23, 2024
- Mentor at Campus DEVCON, University of Batangas, Lipa Campus, April 17, 2024
- Ethical Hacking 101 Webinar, De La Salle Lipa, June 4, 2022
- iSite Webinar Series: IT + Project Management = A Perfect Combination Webinar, De La Salle Lipa, March 27, 2021
- Project Management Methodologies in Developing Cafe24, De La Salle Lipa, March 13, 2021

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#### **Grants and Scholarships**

- Mayor Africa Grant for Financial Assistance, 2022-2025
- SM Foundation College Academic Scholar, Bachelor of Science in Computer Science, 2021-2025
- De La Salle Lipa Grant for Non-Academic Scholar, Bachelor of Science in Computer Science, 2021-2025

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#### **Certifications**

- Data Scientist Associate, DataCamp, December 24, 2024
- Trailblazing Icon Award (Best UI/UX Design), Old St. Hackathon at Wynwood Hotel, Pasig City, October 19, 2024
- Data Analyst Associate, DataCamp, October 15, 2024

- SQL Course Completion, DataCamp, September 29, 2024
- Intermediate Python User, DICT LMS, August 3, 2024
- Introduction to Data Science, CISCO Networking Academy, August 2, 2024
- Data Analyst 101: Excel Formulas & Functions, Simplilearn, August 1, 2024
- Certificates of Course Completion, Power Business Intelligence, July 31, 2024
- Certificates of Course Completion, Full Stack Web Development, April 26, 2023