

# MARCIAL C. ABASOLA JR.

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## Education

### Bicol University

#### Bachelor of Science in Computer Science

Legazpi City, Albay

Aug 2018 – Jul 2022

- **Courses:** Algorithms, Data Structures, OOP, Operating Systems, Programming Languages, Artificial Intelligence, Cryptology, Software Engineering, Computer Vision
- Second placer at Computer Programming Competition (Team Category)

### Camarines Sur National High School

#### Senior High School Diploma

Naga City, Camarines Sur

Jun 2016 – Apr 2018

- Technical Vocational Livelihood – Computer Programming
- With Honors

### Camarines Sur National High School

#### High School Diploma

Naga City, Camarines Sur

Jun 2012 – Apr 2016

- Information Communication Technology – Computer Programming

## Skills

Languages: C, Python, Java, JavaScript, PHP, Dart, HTML, CSS, SCSS

Technologies: Vue.js, MySQL, AWS, Laravel, Bootstrap, Git, Flutter, Figma, GitHub, OpenCV, pyTorch, Heroku, MongoDB, MATLAB, Jira, Understand, Arduino, React.js, Node.js, MongoDB, MySQL, Express, Dart

## Experience

### Denso Techno Philippines Inc.

Junior Software Engineer – Full time

Makati City, Metro Manila

Feb 2023 – Present

- Maintain and analyze existing embedded systems for customers.
- Collected data defects and analyzed it base on defect levels.
- Developed python script to automate repetitive tasks.
  - Improved productivity by almost 60%
  - Eliminates human error risks
- Performed various levels of V-Model (Specification Creation, Design, Coding, Unit Testing and Integration Testing)
- Demonstrates fast adaptability and learning capability by acquiring new knowledge from senior engineers.

Junior Software Engineer – Probationary

Aug 2022 – Feb 2023

- Trained to learn embedded systems, C language and Nihonggo.
- Learned basic Nihonggo N5 level.
- Completed Technical C training as **Top 1** amongst **50** other trainees.

### iAssist

Front-end developer – Contract

Naga City, Camarines Sur

Oct 2021 – Nov 2021

- Built an application using Flutter that contains educational lessons and quizzes
- Worked in a team using Git and Figma as tools to create the application
  - Git and GitHub as version control system

### B3B Technologies

Full-stack developer – DSC Loyola Playground 2021 | Globe Hackfest 2021

Legazpi City, Albay

Apr 2021 – Aug 2021

- Built an SPA web application called pasaBUY using Vue.js
- Developed a RESTful API endpoint using Laravel to communicate with front-end.
  - Integrated AWS S3 as a cloud storage, Pusher as real-time notifications and chat
  - Utilized twilio to receive real-time text message for user registration confirmation
  - Utilized Vuex for the application state management
  - Used Gmail SMTP for user password reset and user registration confirmation

- Used MySQL as Database Management system and Git and github as version control system

**Bicol University**  
Back-end Developer Intern – HRMDO Development Team

Legazpi City, Albay  
Jun 2021 – Jul 2021

- Assisted in developing and maintaining an existing HRMDO system for Records Management
- Used PHP for development and assisted in modifying database using MySQL
- Git and GitHub as version control system

**SQUAD Technologies**  
Full-stack developer – Blast-off Start-up Challenge 2020 | Hackfest 2020

Naga City, Camarines Sur  
Oct 2020 – Apr 2020

- Developed a web application start-up project called eTiquet using LAMP tech stack
- Achieved Top 10

Projects

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DetectCore	CS Thesis project, Real-time illegal parking detection, built using python, MongoDB, OpenCV and YOLOV5 in pyTorch.
Road Extraction	Computer Vision Mini-Project, built using python, OpenCV, and different Image processing algorithms.
Receipt System	A receipt system built using principles of OOP in Java.
Clinic System	Built using Javascript, HTML, CSS, Bootstrap, and MySQL.
Library System	Built using Javascript, HTML, CSS, Bootstrap, and MySQL.
Typic Game	A four-pics one word inspired game built using OOP in Java. Awarded as <b>peoples choice awards</b> during the ICT software festival 2017 within Camarines Sur National High School.

Certifications

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- ITPEC IP** – Certificate of Completion for passing the ITPEC IP examination by PhilNits.
- Back End Development and APIs** – Certificate of Completion from freeCodeCamp.org, used Nodejs, Express, MongoDB and Mongoose.
- Front End Development Libraries** – Certificate of Completion from freeCodeCamp.org, used HTML, SCSS, Bootstrap, Javascript, React and Redux.
- Intermediate Python** – Certificate of Completion from Sololearn.
- Python For Data Science** - Certificate of Completion from Sololearn.
- Philippine Android Weekend 2020** – Certificate of Participation from Google Developer Student Clubs.

Interests

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Gaming, Reading, Running, Fitness, Learning