

# Ericson M. Dalay

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<https://emd-myportfolio.vercel.app/>

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## Skills Summary

Programming and Web Development - *Skills Acquired in Zuit Bootcamp*

- Designed and created a static [mobile friendly portfolio website](#) hosted in GitLab
- Developed an [E-Commerce API](#) using [Node and Express.js](#)
- Completed a Full-Stack Application using the [MERN Stack](#)

Conflict Resolution:

Mediated conflicts within the team, fostering a positive work environment and reducing interpersonal issues by 40%.

## Trainings and Certifications

- AWS Serverless Deployment using API Gateway, Lambda, DynamoDB – May 27, 2024 to May 31, 2024
- AWS foundational concepts, EC2, S3, and full-stack app deployment to AWS. – May 20, 2024 to May 23, 2024
- Unit Testing TDD – March 08, 2024
- JQuery for Absolute Beginners from Beginning to Advanced – January 14, 2024
- Angular 16 & RxJS: Build in Modern Single Page Applications – January 2, 2024
- Complete Bootstrap & React Bootcamp with Hands-On Projects – December 26, 2023
- Zuit Open House course using Git, HTML and CSS – November 24, 2023
- AWS Cloud Practitioner Essentials – November 18, 2023
- SQLite Made Easy – November 13, 2023
- Build ASP.NET Core Web API-Scratch to Finish (.NET 7 API) - November 12, 2023
- JavaScript for Beginners Complete Course – November 5, 2023s
- JavaScript Game Development Workshop – October 14 to 15, 2023
- AWS Amazon Web Services - September 1, 2023
- PHP and MYSQL - October 11 to 14, 2019
- Sophos Endpoint Technical Training - August 15, 2019

## Work Experience

Freelance Full Stack Web Developer

Client: Greatwaves Leisure and Resort

September 2024 – Present

- System Design **Rental Management System**– Built a web-based system using **Quasar Framework, Nodejs, Express.js, Vuejs, Pinia** and **MongoDB**. This system aims to provide an efficient solution for managing rentals, including tenant registration, rent payments, and property monitoring.

Freelance Full Stack Web Developer

Client: Politician

September 2024 – Present

- System Design & Development **Voters Quick Count System** – Built a web-based system for fast and efficient vote counting. Using **MongoDB, Reactjs, Nodejs, Expressjs**,
- Database Management – Set up a secure database for storing voter data and election results.
- Real-time Vote Tallying – Implemented real-time updates using modern technologies.
- User Authentication & Security – Integrated secure login and data protection mechanisms.
- Data Reporting & Visualization – Developed a dashboard with graphical representations of election results.
- Deployment & Performance Optimization – Deployed the system on cloud servers and optimized for high traffic.

Full Stack Web Developer

Bluebix Solutions Inc.

July 2021 – September 2024

- Design and integrate search **ContactOut API** to Bluebix 3 System
- Developed scalable **Node.js** applications using **Redis** for caching and data management, resulting in faster response times and improved performance.
- Develop and integrate **Career Builder API** to Bluebix 3 System Frontend and Backend.
- Resume reading and parsing.
- Extensively used JSON in working with **REST APIs** to retrieve and send data.
- Processed complex **nested JSON** objects for web application features like displaying data in tables or forms.
- Writing and Modifying
- Designed **JSON payloads for API requests** and handled responses effectively in both frontend (**React.js**) and backend (**Node.js**).
- Generated JSON files for data storage and configuration.
- Built pagination and filtering systems for API responses in projects.
- Used JSON to store state and manage settings in applications.

Freelance Software Developer

Feb 2020– July 2024

- Design and create Barangay Management System using **MySQL, ORM, ExpressJS, ReactJS, NodeJS**
- Design and create Point of Sales using **MERN Stack**
- Design and create Web Portfolio using Next.js Typescript, Tailwind.
- Design and create Payroll System using **C#, MS SQL Server 2014 Bunifu UI**.
- Design and create Point of Sales for Pharmacy using **C#, MS SQL Server 2014**.
- Design and create Website Greatwaves Leisure and Resort using **Bootstrap, HTML, CSS, JavaScript**.
- Design and create Daily Time Record Holy Rosary Academy using **VB.Net**

Computer Programmer / System Administrator

National Parks Development Committee

February 2017– February 2020

- Develop application programs for electronic data processing of business process of NPDC offices in accordance with the approved information system, flowchart and other applicable policies and guidelines.
- Monitor and evaluate accomplishments of Service Providers in the design and development of information Systems based on the approved specifications or Terms of Reference.
- Perform database administration, maintenance and support for database platforms and associated systems efficiently and effectively to ensure that the NPDC is able to meet its business requirements and goals.

IT Technical Support                      Commtech Asia Philippines                      November 2016 – February 2017

- Configuring Scanners and Printers.
- Troubleshooting technical issues.
- Configure Office 365
- Diagnosing and repairing faults.
- Resolving network issues.
- Installing and configuring hardware and software.
- Replacing or repairing the necessary parts.
- Testing and evaluating new technologies.

IT Programmer                              Neo Spectrum Technical Services                      September 2014 –October 2016

- Develop Daily Time Record using VB.Net
- Develop Log Sheet System using VB.Net
- Confirms project requirements by reviewing program objective, input data, and output requirements with supervisor.
- Create Plugins for AutoCAD 2016 using VB.Net
- Arranges project requirements in programming sequence by analyzing requirements.
- Prepares reference for users by writing operating instructions.
- Troubleshooting technical issues.
- Resolving network issues.
- Installing and configuring hardware and software.
- Replacing or repairing the necessary parts.

Data Encoder                              DAG Xpress Courier    January 2012– March 2013

- Preparing and sorting data for computer entry.
- Reviewing data to make sure it's accurate before entering it in the system.
- Entering data from paper to a computer data entry system.
- Checking your work for errors or duplicate entries.
- Reporting errors to management.
- Keeping records of data entry and database information.

Data Encoder                              UBIX Data Center    June 2011– January 2012

- Preparing and sorting data for computer entry.
- Reviewing data to make sure it's accurate before entering it in the system.
- Entering data from paper to a computer data entry system.
- Maintaining the data system and ensuring all information is correctly recorded.
- Checking your work for errors or duplicate entries.
- Reporting errors to management.
- Keeping records of data entry and database information.

## Education

### **BS in Computer Science**

Adamson University

March 2011

### **Zuitt Web Developer Program (MERN Stack)**

Main Course Package [Completer / Attended]

January 08 - February 29, 2024

### **Zuitt Web Developer Program**

Unit Testing TDD Short Course Package [Completer / Attended]

March 08, 2024

### **Zuitt Short Course**

[Completer / Attended]

May 20, 2024 to June 7, 2024

### **Introduction to AWS**

AWS Foundational concepts, EC2, S3  
and full-stack app deployment to AWS

### **AWS Serverless**

Such as API Gateway,  
Lambda and DynamoDB.

### **AWS Managed Services**

for services and tools that automate  
infrastructure management tasks,  
using SNS, SQS and SES.

## **Additional Skills**

- Web Development: **HTML, CSS, JavaScript, Mocha Chai**
- Frameworks/Libraries: **Python, Django, Next.js, Express.js, Node.js, React.js, Vue.js, Quasar, Redux, Sequelize,**
- **Bootstrap, Material UI, Ant Design**
- Languages: **C#, VB.Net, PHP, .NET 7, JSON**
- Databases: **MySQL, MS SQL Server, MongoDB, Redis**
- Cloud Services: AWS foundational concepts, **EC2, S3, AWS Serverless Deployment (API Gateway, Lambda, DynamoDB)**
- Deployment: **Render, Vercel, NGINX**
- Version Control/Testing: **Git, Gitlab, Postman, Swagger**
- Design Tools: Adobe Photoshop, **Figma**
- Project Management: **Trello**
- Development Tools: **VSCode, Sublime, MS Visual Studio (2015-2020)**
- Operating Systems: **Windows 7 to 11, Ubuntu 18.0 to 23.10**
- Office Tools: **MS Office Series (2013-2019)**
- Networking: Network Routers, **Sophos Firewall**
- Installation & Configuration: **CCTV Installation, DVR-XVR Configuration**
- Troubleshooting: Hardware and Software Troubleshooting

REFERENCES AVAILABLE UPON REQUEST