

Calvin Estillomo Cabungcal



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PROFESSIONAL SUMMARY

5 years of experience in the Information Technology (IT) Industry as Full stack developer / Senior Automation Engineer handled both front-end and backend and CI/CD. using popular technology programming language and framework.

TECH STACK

Front-end (Client-Side) :

- HTML 5
- CSS (Bootstrap v5 / Tailwind)
- MS TypeScript
- JavaScript ES6
- Node JS
- React JS (Redux, Router and API)
- Angular
- Vue JS
- Express JS : RESTful API

Back-end (Server-Side logic) :

- Python / Django
- Data Base :
(MySQL, Oracle and MongoDB)
- Flask :
- Nest JS

CI/CD Pipeline :

- Jira
- Version Control : GIT
- Github
- Automated Test : Selenium / Postman
- Jenkins
- Docker
- AWS : S3, EC2
- Kubernetes

Total 6 years of expertise in manufacturing industry like, process engineering, design and automation system delivering value through innovative industrial instrumentation engineering control system such as PLC, DCS, HMI, SCADA and Embedded System Integration IOT application. And with solid experience in both Electrical and Mechanical Design in Solidworks, CATIA and Autodesk Inventor.

An engineer with a positive attitude and fast learner. A friendly and supportive team player works along with other team members to achieve desire objectives. A flexible, adaptable and analytical individual

EDUCATION BACKGROUND

TERTIARY : UNIVERSITY OF PERPETUAL HELP SYSTEM DALTA - UPHSD-CALAMBA
Brgy. Paciano Rizal National Highway, Calamba City, Laguna 4027

BACHELOR IN SCIENCE ELECTRONICS ENGINEERING (BS-ECE)
2004 - 2013

SECONDARY : CAMP VICENTE LIM NATIONAL HIGH SCHOOL
Brgy. Mayapa, General Camp Vicente Lim Head Quarters, Calamba City, Laguna 4025
2000-2004

CAREER EXPERIENCE

DENSO TEN /
DENSO TEN SOLUTION

October 21, 2019 – November 29, 2024

2019 : Senior Automation Engineer / Testing

2020 – 2024 : Full Stack Developer (JavaScript / Python)

- Duties & Responsibility
- Support Denso Ten company wide excellent factory automation project
- Collaborate with cross-functional group of Denso Ten Japan Improvement Team to develop automated solutions and web application development using JavaScript and Python
- Support of application pipeline for agile development (Build, Test, Delivery and Deploy).
- Develop and maintain Denso Ten PH website and collaborate with Denso Ten JP counter part
- Building and Integrate RESTful APIs and rendering server-side frameworks
- Design robust APIs to support mobile and desktop clients
- Use Postman to API development and automated testing solution
- Maintain efficient and scalable server-side solution.
- Develop automated test to ensure support group needs are met, and allow for regression testing using selenium automated testing
- Develop and oversee testing schedules in client server environment. Address various browsers and devices to ensure that content is displayed as intended
- Design and manage project databases (Mongo DB, MySQL, Oracle)

SIGNIFICANT PROJECT

Project Name : Car Infotainment System Configuration Dashboard FY2021

Description: The objective are to modify manufacturing technicians to configure car infotainment systems during production. And to develop a web-based interface for managing settings like display preferences, audio presets, and language options. The configurations are pushed directly to the infotainment hardware and stored in Oracle Database for traceability.

Tech Stack:

- Frontend: **React, Bootstrap** (Develop UI : User login, Vehicle model selection, system setting, save audit config, and report dashboard for config logs.)
- Backend: **Flask API, Python** (receive the configuration selected vehicle model.)
- Database: **Oracle Database** (stored in table vehicle model, config settings, and audit logs.)
- CI/CD pipeline : **Jenkins** for (Build, Test and Deploy), **Postman** test REST endpoints, **PyTest**, **Docker** for containerized deployment, **AWS ECS** for hosting containers

Project Name : Infotainment Voice Command Analytics Platform FY2022

Description: Design a platform to analyze how well in-car voice assistants handles user commands. tracks command recognition rate, response times, and error rates, helping improve the assistant's accuracy.

Tech Stack:

- Frontend: **React JS**, (develop a simple user-friendly interface for input voice commands and vehicle models, Performance dashboard to display analytics)
- Backend: **Flask, Python** (for handling analytics processing and connecting to database)
- Database: **Oracle Database** (storing voice command logs and performance metrics)
- Voice processing : **Tensorflow**: (natural language processing and recognition accuracy)
- Deployment : **Docker** (containerized application deployed via **Kubernetes**)

Project Name : Airbag Deployment Analytics Platform FY2023 - (Internet of Things project)

Description: To develop web-based platform that tracks and analyzes airbag deployment events in real-time. User can log events, monitor sensor data, analyzed deployment metrics and generate failure reports via responsive web interface.

Tech Stack:

- Frontend: **React JS**, (Fetch data via REST API, Components display event metrics and visualization)
 - UI Style : **Bootstrap**
 - State Management : **Redux** (Airbag event table)
 - Charts : **Chart.JS** (failure rates, ave. response time)
 - Deployment : **AWS S3** (static hosting)
- Backend: **Flask, Python** (RESTful API, OOP organizes application into controllers, models, and services, device send live data to the backend)
 - Deployment : **Kubernetes**
- Database:
 - **Oracle Autonomous Database** (self-hosted, stores airbag event details, sensor data, and failure logs)
- CI/CD pipeline : **Docker, AWS S3**,

CAREER EXPERIENCE CONT...

MOBILECYCLE TECHNOLOGIES INC.

Mar 25, 2019 – Sept 27, 2019

Senior Supervisor : Business Development (SMT)

Duties & Responsibility

- Spearhead to acquire and develop new businesses, design, develop. Building and qualify various needed products, projects, systems, machine and equipment for its internal needs and also to be offered directly to MTI's customers.
- Do sales calls and business development function together with the President/CEO.
- Engineering like various process engineering, line maintenance, facilities and NPI duties

TONG HSING ELECTRONICS PHILS. INC.

Sept 19, 2018 – Feb 27, 2019

Process Engineer II

Duties & Responsibility

- Develops and optimizes continuous production and mfg. yield and cycle time
- Handshake with previous shift Group Leader
- Report Machine Status Per Shift
- Perform Evaluation on Raw Materials (Lead Frames, Bendability, Die shears, Wire pull)
- Lead all SPC operator and monitor daily activities and measurements
- Generation Report of Daily SPC Report (Out control Specs.)

JAN DAVID TECHNOLOGIES INC.

Feb 01, 2017 – Sept 15, 2018

Sr. Design Engineer

Duties & Responsibility

- Proposed design concept base on the customers request and requirements.
- Project Management: materials, parts and component, project time-line, delivery
- Present designs and perform demonstrations of product prototype for clients approval
- Evaluate the function, safety and appearance of products to ensure they have a practical design.
- Help establish new and maintain existing standards
- Work with sales engineers to provide input with quote preparation as required
- Support sales engineer to provide clear technical information for every project.
- Supervise fabrication personnel for every project design and concept needed

CAREER EXPERIENCE CONT...

TESTECH GROUP INCORPORATED

May 21, 2013 – Jan 9, 2017

Manufacturing Engineer II

Duties & Responsibility

- Support Business Unit Development Operation
- Evaluate and improve on processes in manufacturing systems.
- Maintain reliable and safe manufacturing systems while improving production rates, efficiencies, yields, costs and changeovers.
- Develop innovation solution / Automation System Improvement
- Improve process capability and production volume while maintaining and improving quality standards.
- Conduct time study of processes
- Collect, record, and transcribe data.
- Show results in report.
- Develop and implement systems that optimize all phases of production process.
- Work with equipment engineers, manufacturing supervisors and facilities to develop a cost-effective and working production process.

FORM ASIA INCORPORATED

June 14, 2010 – Oct 8, 2012

Production Supervisor

Duties & Responsibility

- Creates and revised production drawings (details, dimensions and assembly drawings).
- Makes final sketch of proposed drawing, checking dimension of parts, materials to used, relation of one part to another, and relation of various parts to whole structure or project.
- Updates drafting and engineering standards.
- Converts existing production drawings to library catalogue.
- Communicates with tooling, QA, engineering and manufacturing regarding new and revised drawing.
- Conduct Water-Air Convective Simulation Cooling Test
- Conduct Daily Update Drawing Catalogue

CERTIFICATION AND TRAININGS

- The Complete Web Development Course
- The Python Mega Course Build 10 Real World Applications
- Modern Front-end Web Development
- Full Stack Web Development with React JS, Angular and Node JS
- Introduction to Front-end Web Development
- Back-end Web Development
- Developing Front-end application with React
- Using Databases with Python
- Database structure and management with My SQL
- Introduction to Relational Databases (RDBMS)