

JOSEPH CABUSAS

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Lead Software Engineer with over four years of experience in software development, specializing in system and software design. Proven expertise in leading and implementing software integrations with other systems over message brokers, network protocols (HTTP/TCP/UDP), and specific port configurations. Skilled in deployment and DevOps practices, including Docker, Kubernetes clusters, and CI/CD pipelines in GitLab. Experienced in coordinating multi-million dollar technological initiatives with cross-functional stakeholders. Adept at leading project teams of 4 to 10 engineers, ensuring the successful execution of complex enterprise applications and technological events.

SKILLS

- Strong Programming Skills in Python, C++ and infrastructure as code (IaC)
- Software Development Life Cycle (SDLC)
- Agile Methodologies (Scrum)
- Mentorship
- DevOps (CI/CD)
- Microservices Architecture
- Version Control (Git)
- Object-Oriented Programming (OOP)
- Client and Team Communication
- Data Analysis and Decision-making.

WORK EXPERIENCE

Software Engineer/Technical Lead Lockheed Martin

Software Engineer and Technical Lead of multiple teams, driving rapid R&D efforts to develop advanced software solutions, proof-of-concept prototypes, and demonstrations in support of military exercises across the USA.

March 2022 - Present,

MAIN PROGRAMMING LANGUAGES AND TECH USED

- Python, C++, C#, Java, Docker, Development in Linux Environment, VScode as main text editor for writing and reading code (VIM while on deployment environments), Gitlab for version control, AWS Cloud tools.

MAIN RESPONSIBILITIES

- Currently leading R&D projects aimed at modernizing and creating critical military combat systems, utilizing Docker, Python, and GitLab for efficient development and DevOps in a Linux environment. Restructure complex legacy systems into scalable microservices, manage the full lifecycle of projects from requirements to product demonstrations, and ensure high-quality deliverables through comprehensive testing and stakeholder communication.. Additionally, mentor junior team members to help them develop their technical skills and grow professionally.

BIGGEST ACCOMPLISHMENT

- Successfully led the software development efforts for an Army military exercise event, which resulted in a significant increase in our organization's R&D budget from \$2 million to \$6 million within a year. This achievement was accomplished through a two-month preparation period involving multiple trips across the USA, efficient cross-team coordination, and effective task delegation within my software team.

Real Time Software Engineer

Kapsch TrafficCom North America

Software Engineer at Kapsch TrafficCom NA, specializing in software deployment, hardware network configuration, and automating large-scale deployments in the Tolling Industry, supporting cities across the United States

July 2021 - March 2022,

MAIN PROGRAMMING LANGUAGES AND TECH USED

- C++, Ansible, Docker, Development in Linux Environment, VIM as main text editor for writing and reading code, Gitlab for version control, Data and Log Analysis, Networking (Hardware configuration for comms)

MAIN RESPONSIBILITIES

- Led automation of large deployments using Docker, Python, and Ansible, improving software delivery. Managed software deployments on national highways, enhancing traffic and operational efficiency. Developed and executed tests to ensure high-quality software, and worked with teams to integrate software effectively.

BIGGEST ACCOMPLISHMENT

- Successfully integrated our software and settings onto new hardware for a San Diego customer, solving a high-priority issue through extensive testing, including late-night sessions, showcasing strong problem-solving skills and dedication to customer service.

Software Engineer

ASRC Federal

Software Developer at ASRC Federal Mission Solutions, focusing on the software maintenance and development of AEGIS weapon system for Australian and Korean deployments.

June 2020 - July 2021,

MAIN PROGRAMMING LANGUAGES AND TECH USED

- C++, IBM ClearCase (version control), Development in Linux Environment, VIM as main text editor for writing and reading code

MAIN RESPONSIBILITIES

- Engineered software development and integration for the AEGIS Weapon System, focusing on Command and Decision software for Australian and Korean deployments, utilizing C++ in a Linux environment with ClearCase for version control, and closely collaborated with System Engineering for lab-based testing to ensure requirements compliance.

BIGGEST ACCOMPLISHMENT

- Became highest performing software engineer on my team within one year of joining measured by completing most number of CPRs (Similar to software tickets) compared to teammates supporting Australian and Korean customers.

PROJECT PORTFOLIO

AI Text Summarizer

Solo Project - <https://josephcabusas.netlify.app/text-summarizer>

- This API allows users to quickly summarize lengthy texts by simply pasting them into the input box, leveraging the powerful capabilities of the facebook/bart-large-cnn model from HuggingFace to extract key points and create coherent summaries.

Hedera Blockchain API

Solo Project - <https://josephcabusas.netlify.app/hedera>

- This API enables direct interaction with the Hedera Blockchain testnet, allowing users to create topics, post events, retrieve past events, and view a list of created topics.
- All API inputs and interactions can be verified on the Hedera IO dashboard via Hashscan by searching with a specific topic ID to see the complete event ledger.

Cabs Equities Automated Trading

Solo Project - <https://github.com/jdcabusas201/CabsEquitiesSuite>

- Suite of algorithmic trading systems for Forex and Options markets. Our automated solutions leverage advanced algorithms and cutting-edge technology to execute trades with precision.
- Real-time market analysis, intelligent decision-making, and optimized trading strategies.

EDUCATION

B.S. in Computer Engineering

University of San Carlos

October 2012 - April 2018,
Philippines

Cebu City,

OTHER WORK EXPERIENCE AND INFO

Spanish Customer Service Rep

Ocean Home Health

May 2018 - Feb 2020,

- Managed intake of 80 - 100 calls daily addressing patient concerns, resolving problems and effectively coordinating delivery of medical equipment
- Guided and instructed patients on operation and maintenance of oxygen equipment, CPAP use and troubleshooting of devices.
- Provided comprehensive guidance to patients on of completion medical documentation needed to provide medical equipment (doctors prescriptions, insurance approvals)
- Handle all Spanish patient concerns.

Crew Member

McDonalds

June 2010 - July 2012,

- Roles include: Drive-through, Food Runner and Cashier

Additional Information:

- Active SECRET Clearance
- Fluent in Spanish

