JUAN PABLO ALVARADO VILLALOBOS

Computer Engineering Degree | TEC (Technological Institute)

Portfolio: https://juan230500.github.io/portfolio4/

PERSONAL PROFILE

As a graduate of TEC in Computer Engineering, my expertise lies in software development, with a strong emphasis on cloud technologies. Proficient in self-directed learning and adaptability, I am dedicated to leveraging cloud-based solutions for creative and efficient outcomes. My aim is to engage in demanding projects, further developing my abilities and driving impactful results

PROFESSIONAL BACKGROUND

Associate Engineer in Cloud

Wind River Software | 2022-Current (1.5 years)

In the engineering department, my focus was on developing and maintaining an advanced image and embedded software system. My expertise includes working with Node.js, Angular, AWS, Docker, and Jenkins to enhance system functionality and efficiency. I played a key role in streamlining processes and integrating innovative solutions to optimize the performance of our software infrastructure.

Design Verification Engineer Intern

Helwett-Packard Enterprise | 2022-2022 (6 months)

I worked in one of the HPE departments dedicated to CPLD and FPGA verification. Additionally, I have also developed software tools for data visualization and automation of tasks within the department. My role has required me to use verification tools such as SystemVerilog and UVM, as well as working closely with other verification engineers.

Independent sotfware and hardware projects

2018-Current

Where you can see my work:
-Portfolio: https://juan230500.github.io/portfolio4/
-Github (all the projects): https://github.com/juan230500/

Some of the most relevant relevant freelancing projects:
-Oficial website and database for a plastics company UNICAN (link)
-Oficial website to display natural products of the company Manú (link)
-System to measure temperature in real time inside a greenhouse using arduino and IOT in cloud

ACADEMIC PROFILE

Instituto Tecnológico de Costa Rica
Computer Engineering Bachelor | 2018-2023
- GPA 91 / 100
- +5 research projects related to Hardware
- +25 practical projects involving Software
- Participation in programming competitions, internships, and freelancing (2018-2020)

SKILLS AND COMPETENCIES

Skills:
- Expert in Problem Solving, Critical Thinking, Innovation, and Creativity.
- Proficient in handling complex challenges and rapid learning.
- Fluent in English (C1 level) and Spanish (native).
- Skilled in professional communication and project management.
- Advanced knowledge in Data Architecture and Business Intelligence.

Technical Expertise:
- Mastery in Cloud Technologies: Advanced skills in AWS, including services like EC2, Lambda and S3.
- Proficient in DevOps Practices: Skilled in Docker, Kubernetes and Jenkins for CI/CD pipelines and cloud infrastructure automation.
- Experience in Data Governance and Data Integration processes.
- Strong background in Version Control using GitHub.
- System Engineering: Experienced in Linux systems (Ubuntu/Debian) administration and automation.
- Scripting and Programming: Proficient in Python, JavaScript (including ES6), and SQL. Familiar with Java, C/C++, and Golang.
- Database Management: Deep expertise in SQL (PostgreSQL, MySQL) and NoSQL (MongoDB) databases.
- Data Analysis: Skilled in using BI tools (Power BI), and analytical techniques with Python (NumPy, Pandas, Scikit-Learn).
- FrontEnd Development: Knowledgeable in React (including Redux), React Native, HTML, and CSS.
- BackEnd Development: Competent in Node.js, Express.js, Django, and RESTful APIs.
- Strong analytical mindset and ability to interpret and visualize data.
- Agile and SAFe methodologies proficiency.

Additional Skills:
- AWS Certification (pursuing).
- Effective in multidisciplinary team environments and agile project management.
- Proactive in learning new technologies and methodologies.

CONTACT INFORMATION

Juan Pablo Alvarado Villalobos
Email: juanpo.alvarado@gmail.com
Phone: 8341 0553
Github: Juan230500