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Carlos Molina

OBJECTIVE

Seeking a Full-Stack Software Engineering position where I can collaborate in challenging and rewarding work.

EXPERIENCE

GE Corporate   **2020 - 2024**
Software Engineer – MyTech V3 and GE Business Transitions   Remote
- Collaborated with peers on cloning our Azure **cloud-native distributed system** for usage by GE Vernova and GE Aerospace. I configured and verified **CI/CD** setup and function for a dozen services including build and release pipelines.
- Partnered with senior developers to **add support of content translations** in 12 languages to our Portal client application. I developed the **CRUD API** to manage these translations, set design pattern for the translations specification schema (that identified translatable vs non-translateable fields of data), and developed algorithm used for overriding translatable values.
- Ensured **scalability** of system by **modernizing** business logic with implementation of Azure cloud-native tools (**Azure Logic Apps**) and leveraging the power of **Event-Driven architecture** with **Confluent Kafka** (including asset enrollment actions)
- Collaborated with **3rd party vendors** to enhance our integration APIs to reduce system latency by 50%
- Led development of **GraphQL** API within squad – coordinated with FE members to ensure query schema needs were met, while leveraging **caching** for optimization (UI static images via **CDNs**, and app cache), for data resolution.
- Collaborated in a **reverse proxy application** to slowly migrate API request resolution from the monolith backend to the new microservices backend – I integrated over 50 endpoints and identified and resolved discrepancies with various parties as needed.

Software Engineering Associate – MyTech V2 to V3 Migration   Miami, FL / Remote
- Collaborated w/ Sr SWE to deliver platform's core **asset lifecycle management** business logic (CPU, VPN, Gcom, Accs, Phones)
- Collaborated in the **backend modernization** from a monorepo to a **microservices architecture** through the **early development** of microservices including Users, Assets, and Knowledge. **Design patterns** and fundamental tools were discussed and established.
- Developed and deployed first **Golang** microservice responsible for providing user with **Authorization** credentials (token). Users were provided with **roles** for **Access Control** in FE User apps and eventually BE resources.
- Collaborated with a team of 5 to develop a modularized, reusable UI **component library** of over 30 components using ReactJS, Jest, Styled Components. I established **accessibility standards** and design patterns for our design system.
- Partnered with Quality to **increase our test coverage** within our domain from 20% to 60% through improving acceptance criteria in grooming, ensuring all features included testing, and following **TDD** practices

GE Digital   **2017 – 2019**
Software Engineer (DTLP Intern) – MyTech V3 Founding Team   Miami, FL
- Developed a UI webapp for GE's service excellence support where I integrated APIs to display client data which increased their productivity (utilized **ReactJS, Redux, Hooks**, Jest, Styled Components, Azure DevOps) in an agile team of 5.
- Began development of a (Swagger/**OpenAPI**) documentation generator microservice utilizing NodeJs, Swagger Tools

Software Engineer (DTLP Intern) – MyTech V2 Team   Miami, FL
- Developed in Digital Workplace Solutions WebApp MyTech Portal v2 (**Angular** MVC paradigm) resolving over 30 enhancements
- Collaborated in creation of **Electron app** that retrieved computer hardware status information and saved it to a remote DB
- Developed WebApp with **React** and **MongoDB** that displayed the information that originated from the electron app to provide users with a powerful diagnostic tool that could alert when an upgrade or checkup is required

Software Engineer (DTLP Intern) – Predix UI Team   Boston, MA
- Consulted with new top industry customer (Okuma) to develop a custom **Predix** Webapp that would allow users to create facility layouts, view process data analytics, and ultimately unleash IoT capabilities to increase their productivity.

GE Aviation   **2015 – 2016**
Design & Process Engineer (EID Intern)   Dayton, OH
- Served as Dayton's Professional Development Committee Education & Involvement Chair (led 30 interns)
- Conducted installation, testing, and analysis of new dipping slurry material to improve process efficiency by 50%

Materials & Logistics Engineer (EID Intern)   Evendale, OH
- Directed team of 3 through inventory transfer of over 10,000 GEnx legacy hardware to a new facility

LEADERSHIP

PorColombia National - Vice President   **2018 – 2022**
- Led 15 university and 3 professional chapters in chapter development, unification, strategic growth, and conference hosting

EDUCATION

Bachelor of Science in Computer Science Engineering   **2019**
University of Florida   Gainesville, FL

SKILLS

Soft skills: Problem solver, Empathetic, Open-minded, Team player, Optimistic, Strong listener   **Fluent:** English, Spanish

Software: ReactJS, Redux, Jest, AngularJS, NodeJS, Swift, JavaScript, TypeScript, HTML, CSS, Accessibility, Component-Driven Development, User Experience, GraphQL, Go/GoLang, Java, C++, SQL, Python, NoSQL, Rego, Open Policy Agent, API Design, Async Programming, OpenAPI/Swagger, Microservices, Distributed Architecture, Event-Driven Architecture, Apache/Confluent Kafka, Event-Streaming, Microsoft Azure (API Management, DevOps, Logic Apps, Workflows, Cosmos DB, Function Apps, Storage Accounts), Git, CI/CD, Terraform, Docker, Kubernetes, Istio, Rancher, New Relic, Linux, Windows, MacOS, JSON, YAML, Unit Testing, Postman, RESTful APIs, Confluence, Algorithms, Data Structures, Design Patterns, System Design, Agile, Scrum

Mechanical/Other: 3D Printing, Laser Cutting/Engraving, Manual/CNC Machining, Arduino Software, Certified SolidWorks Professional, Certified MasterCam X7 Programmer and Mill, Six Sigma Green Belt