Dominique Verellen

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# Summary

* Motivated professional with 6 years of experience eager to apply training and experience to take on new career-building role in software development. Led drive to digitize design and planning stages at Lima Grass S.A. improving efficiency by 35%. Understanding of full stack development and proficiency in diverse languages and technologies, such as C++ and Java as well as AWS and NoSQL.

# Experience

## Freelance Full Stack Developer | H2O Vitanza | 10/2020 – Ongoing | Remote

* Devised a modular software for inventory, customer management, accounting and generation of reports.
* Engineered fast and cost-effective solution utilizing Aws Lambda, DynamoDB and API Gateway with modern C++ reducing monthly expenditure by at least 60%.
* Designed and tested UIs with Angular 11 that simplified overall management and offered ease-of-use.

## Engineering Assistant | Lima Grass S.A. | 11/2018 - Ongoing | Lima, Peru

* Researched and negotiated contracts with foreign suppliers in a bilingual setting to lower inventory acquisition costs by 30%.
* Used AutoCAD to draw project designs in accordance with government standards and client requirements.
* Collaborated with field technicians, supervisors and drafters to review and update existing diagrams.

## Technical Drafter | Lima Grass S.A. | 07/2017 - 10/2018 | Lima, Peru

* Designed high quality and cost-effective CAD models by preparing layouts, sketches and diagrams.
* Employed AutoCAD to design, develop and engineer high-quality models shortening time to manufacturing by 200% compared to previous hand drawn models.
* Decreased manual processes by building libraries and templates improving quote turnover by at least 50%.

## Apprentice Technical Drafter | Lima Grass S.A. | 05/2015 - 06/2017 | Lima, Peru

* Drew AutoCAD diagrams from hand sketches and bi-weekly site visits reducing construction mistakes.
* Collaborated with engineers to draw customer specifications to increase customer retention by 12%.

# Technical Skills

## Languages and Frameworks

* C++, C#, Swift, TypeScript, PHP, Java, SQL, Python, Java, JavaScript.
* Boost, wxWidgets, aws-sdk-cpp, httplib, Angular, Node.JS.

## Tools

* Visual Studio, XCode, Git, Amazon Web Services, Google Cloud Services, Docker, SQL Server, TravisCI, Github Actions, VmWare workstation, Intel C++/F95 compiler, Linux, Nginx.

# Projects

## Vitanza Service | https://github.com/dominique120/vitanza-service

* High performance C++17 microservice for managing customer relations, inventory and sales.
* Exposes a REST API relying on DynamoDB for storage capable of handling 100 requests/s.
* Dynamically scales on Aws ECS platform. Front-end built with Angular 11.

## Vitanza Serverless | https://github.com/dominique120/vitanza-serverless

* Reduced monthly expenditure by 60% relying on Aws Lambda and DynamoDB.
* Developed for Lambda's custom runtime for C++ decreasing startup times to less than 80ms.
* Migration of Vitanza Service back-end to a serverless architecture.

## SIMSE | https://github.com/dominique120/simse

* Warehousing and accounting software Windows and Web.
* Data stored on SQL Server 2017, website in ASP.NET, desktop client developed with Windows Forms 4.6.

## Carbon | https://github.com/dominique120/carbon-client-ios

* Mobile app for iOS written in Swift 5.0. Envisioned social media app for sharing images.
* C++20 backend with microservice architecture hosted on ECS (docker) with data storage on DynamoDB.

# Education

## Bachiller Tecnico - Ingenieria De Software | 2021 | Instituto San Ignacio De Loyola

* Major: Software Engineering