**Office of International Services at Oregon State University**  
Programming and Data Administration Experience

David Vasquez

I am excited to be applying to work as an Analyst Programmer at in the Office of International Services at Oregon State University. I was immediately drawn to this position and feel my over six years of experience in software and data administration positions would make me an idea fit for this role. My background in programming and data administration includes working as an Analyst Programmer at Oregon State University, a Software Development Engineer at Amazon and as a Software Engineer at Nike.

During my time at OSU, I have worked as an Analyst Programmer in the Office of the Dean of Students, Transportation Services and the Division of Student Affairs. In my role at Transportation Services I was primarily a backend developer on our business systems that entirely utilized Adobe ColdFusion for our server side. I also was involved with database administration utilizing Microsoft SQL Server. Besides my day to day work I helped lead two major projects that on our ColdFusion applications. The first was I lead a team rebuilding the dispatch system for Transportation Services that is used by multiple universities including Oregon State University and the University of Oregon. The second is I led a project on a redesign on the server side of our business site which included adding security features, automated metric gathering and a rebuild of our code base.

Led project to restructure, debug and update server code; responsible for new code being 15% the size of old structure and 27% of original file size

In these positions I worked with a lot of technology like what is used in this role including Ellucian Banner, Workday, SQL, MySQL, Python and JavaScript. While working in the Division of Student Affairs I was asked by the Dean of Student Affairs to personally lead a team setting up and managing a new data program for our department.

I currently work in logistics at Nike where my team manages over 200 micro-services that handles all product information as goods flow from manufacturing facilities to retail outlets and customers. We also provide real time updates and product tracking across the supply chain to our business users and external partners like SAP, Oracle and Uber Freight. A recent project I recently lead and completed was deploying two new services for data ingestion and standardization for our shipping partners Maersk and Nippon. We primarily utilize Java, Spring Boot, Kafka, Python and AWS for our technology stack. At Amazon, I worked on the Shephard Platform which handles all information security for Amazon and our partners like Ring and Twitch. In my role I noticed a lot of repetitive work and wrote some automation scripts I shared with our team. Our leadership really liked this and shortly after I was asked to help co-found a new team based on improving customer experience with our platform. One of the first projects I helped lead was a self-service portal for our customers that eliminated work previously done by two to three engineers, reduced internal customer wait time from days to minutes and provided real time analytics for senior management.

I really love working in an academic setting and knowing that my work is helping to improve the experience for students, faculty and staff. I would love to speak more about my interest in working at Oregon State University and particularly in this role.