Nicolas M. Villanueva

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OBJECTIVE

Join a company where I can contribute to software development, automation, and UI development in a challenging, healthy, and collaborative team environment.

TECHNICAL SKILLS

Proficient in C#, Angular, Python, SQL, PostgreSQL, PowerShell, Apache Kafka, Redis, Node, Kubernetes, Docker, Helm, Grafana/Loki/Tempo/Thanos, Prometheus, OpenTelemetry, Terraform, Hashicorp Vault, Jenkins, Atlassian Products, GCP Products, AWS Products, Chat Bots, GIT, and GIMP

Familiar with Azure Products, React, Java, CockroachDB, OAuth2.0, vSphere, Uber H3, and ApplePay/Adyen/Shift4

EDUCATION

Georgia Institute of Technology   8/2007 – 5/2011

B.S. in Discrete Mathematics   GPA. 3.36

WORK EXPERIENCE

SpaceX   Los Angeles, CA   6/2017 – 2/2023
Sr Software Engineer

- Build starlink.com (Taking 1 million+ deposits, fulfilling orders, customer support, etc.)
- Build application for interfacing with Starlink satellites, gateways, and end-user devices
- Build software version manager for Starlink satellites, gateways, and end-user devices
- Manage build/deploy pipeline and test automation standards/frameworks for Enterprise Applications
- Develop chat bot, Marvin, available to all SpaceX Engineers
- Help build out passwordless standards at SpaceX (gMSA, Yubikeys, etc.) with InfoSec/ProdSec/IT
- Own enabling/disabling Starlink network service based on user's account (payment history, account type, etc.)
- Design/Oversee the implementation of Starlink network outage communication and remote commanding
- Create C# CLI tool for managing a monorepo based on YAML manifest files
- Own analytics and tooling for Starlink Ukraine efforts (also assist with in-person delivery management)
- Assist with Twitter2.0 transition

Cardlytics, Inc.   Atlanta, GA   9/2013 – 6/2017
Sr Automation Engineer / UI Engineer

- Create/manage Integration and Functional Test frameworks for .NET, AngularJS with PowerShell and Chef
- Create/manage automated deployments using TeamCity, Jenkins, GIT, Octopus, Ansible, Chef, and vSphere
- Own web UI projects including widgets for major Financial Institutions and AngularJS single page apps
- Own performance testing of big data apps (including USA's largest SQL database and a 30 node Vertica cluster)
- Create and run a semi-annual coding competition for college students, Iron C0d3r

CTS   Atlanta, GA   3/2013 – 9/2013
Analyst 2

- Developed a dynamic SharePoint 2010 .NET form and workflows for an international packaging company

Vertafore Inc.   Conyers, GA   5/2011 – 3/2013
QA Automation Engineer

- Created, monitored, and refactored the UI and NUnit testing framework
- Maintained the vSphere environment used for nightly automation test runs
- Developed UI with MVC4 and jQuery libraries for the ImageRight Web Client