ALAN VERDUGO
SOFTWARE ENGINEER

👤 ABOUT

An IT professional with years of experience striving for self-improvement and using my abilities for the benefit of those around me.

💼 WORK EXPERIENCE

IBM
🌐 https://www.ibm.com
June 2014 – Present

Software developer
Single-handedly collecting, processing, curating and reporting the entirety of billing data for IBM's Development Support Team (https://dst.ibm.com). Through enhancing existing code and developing new programs, our small team was able to automate and improve the processes and increase the internal revenue of the organization in the order of thousands of dollars every month. I also participated actively in the innovation office projects in order to explore new areas of development, documenting insights and presenting demonstrations of results.

Highlights

◁ Used IBM Watson's Natural Language Processing, Speech-to-text and Text-to-speech APIs to configure Pepper and Nao humanoid robots in the Cognitive Concierge Project in order to enable them to understand and answer questions from the conference attendees.

◁ RFID tracking with analytics project: Built a proof of concept of an internal solution for the registration of attendees in IBM conferences while also providing mobile applications and a RFID tracking system used to identify the attendees' participation during the event. Then, used that data to gain insights and displayed a dashboard using the Watson Analytics platform. This would replace the current outsourced solution while also adding value using only internal resources and tools. Accomplishments: A proof of concept that would replace the outsourced solution was completed in under two months, and a fully-working live demo was shown during the IBM Interconnect 2017 conference in Las Vegas.

IBM
🌐 https://www.ibm.com
April 2013 – June 2014

UNIX/AIX Specialist
Supporting, troubleshooting, installing, configuring, migrating and developing all kinds of software and servers. Specialized in the Unix platform and its variants (Linux, AIX, etc.)

Electronic Arts
🌐 https://www.ea.com
September 2012 – April 2013

Software Engineer
Launching, supporting, troubleshooting, enhancing and decommissioning thousands of servers and applications in the cloud used for videogame traffic and data processing for millions of concurrent users. Specialized in the social aspects of the Origin© client, (EA's PC game distribution platform) including chat, friends lists, game achievements, avatars and notifications.

AutoZone
🌐 http://www.autozone.com/
November 2007 – September 2012

Programmer Analyst
Troubleshooting, debugging, maintaining, developing and enhancing systems in a wide variety of programming languages and operating systems.

Highlights

◁ Received three recognition awards due to my efforts (refer to the 'Awards' section below).

✸ AWARDS

October 2011	**AutoZone**
	🏆 Extra miller
	This Extra Miller was awarded to me for recovering the lost data from a database that was mistakenly deleted by somebody else.

March 2010	**AutoZone**
	🏆 WITTDTJR (What It Takes To Do The Job Right)
	For delivering an outstanding service.

June 2009	**AutoZone**
	🏆 WITTDTJR (What It Takes To Do The Job Right)
	For delivering an outstanding service.

👥 VOLUNTEER

◎ CONTACT

📍 Guadalajara, Jalisco Mexico

✉ verdugoalan@hotmail.com

🌐 https://www.kippel.net/blog

in **Linkedin**
alanverdugo

○ **GitHub**
alanverdugo

🏛 EDUCATION

World Community Grid
🌐 https://join.worldcommunitygrid.org?recruiterId=946192
September 2014 – Present

Contributor
Contributed over 15,000 CPU-hours to help solve the world's biggest problems in health and sustainability, like finding cures and treatments for Cancer, Ebola, Zika, AIDS, Tuberculosis and others.

Highlights

◁ Awarded the Emerald Badge (1 year of uninterrupted contribution) for Mapping Cancer Markers.

2010 · **UTCH**
🎓 College

Information Technologies

2017
2017 · **Wizeline**
🎓 Workshop

Courses

◁ DevOps crash course with Chef.io

2017
2017 · **mongodb.com**
🎓 Online course

Courses

◁ M101P - MongoDB for Developers
(http://university.mongodb.com/course_completion/30f19185172f43e5

2017
2017 · **IBM**
🎓 Online course

Courses

◁ Watson Analytics - Level 1
(https://www.youracclaim.com/badges/89aa54fb-
143a-4053-9a97-a7b1461e1f60/)

2016
2016 · **Linux Professional Institute**
🎓 Certification

Courses

◁ LPIC-1 Certification
(https://cs.lpi.org/caf/Xamman/certification/process_verify
License: LPI000368945, Verification code:
pfbbjhavvj)

2016
2016 · **Comptia**
🎓 Certification

Courses

◁ Comptia Linux+ Certification
(https://www.certmetrics.com/comptia/public/verification.aspx?
code=DQPR3E9HCDVE1WSN)

2015
2015 · **IBM**
🎓 Online course

Courses

◁ Big Data Spark Foundations
(https://www.youracclaim.com/badges/c565d034-
56d2-467c-b238-34de90b44222/)

2015
2015 · **IBM**
🎓 Online course

Courses

◁ Big Data Hadoop Fundamentals
(https://www.youracclaim.com/badges/e93bb55f-
3c60-4bfc-9817-347ad2a8bd2a/)

2015
2015 · **Stanford/Coursera**
🎓 Online course

Courses

◁ Introduction to Mathematical Thinking

2014
2014 · **Rice University/Coursera**
🎓 Online course

Courses

◁ An Introduction to Interactive Programming in
Python (with distinction)

☰ SKILLS

Linux Administration   Master

Automation   **Resource management**   **Configuration**

Data Analytics   Intermediate

Pandas   **Matplotlib**   **Scikit-learn**   **Jupyter notebooks**

Programming   Advanced

Python   **Bash shell scripting**   **API integration (JSON, XML)**

Database integration (SQL, NoSQL)   **Version Control Systems (Git, SVN)**

Documentation creation and maintenance

🔖 PUBLICATIONS

Building a Hadoop cluster with Raspberry Pi
🔖 IBM developerWorks
23 March 2016
🌐 https://developer.ibm.com/recipes/tutorials/building-a-hadoop-cluster-with-raspberry-pi/

Installing, configuring and testing a distributed storage and processing cluster with single-board computers.

Installing and configuring a Hadoop cluster
20 January 2016
🌐 https://www.linkedin.com/pulse/installing-configuring-hadoop-cluster-alan-verdugo/

Building a simple 4-node Hadoop cluster as an introduction to Hadoop's configuration.

Introduction to Apache Hadoop
09 January 2016
🌐 https://www.linkedin.com/pulse/introduction-apache-hadoop-alan-verdugo

Introduction to the Hadoop's high-level architecture and environment.

🈂 LANGUAGES

◄ English   **Native or bilingual proficiency**

◄ Spanish   **Native or bilingual proficiency**

◄ Japanese   **Elementary proficiency**

♥ INTERESTS

Free and Open Source Software

     GNU   **Linux**   **GPL**

Literature

     Popular science   **Science fiction**   **Pretty much anything else**

☑ REFERENCES

Alan is one of the most creative persons I know. His pragmatic and out of the box thinking gives him always the advantage in any issue he faces. He is a person to keep around and to brainstorm ideas with. Alan also stands out by raising the bar of the people around him, either by sharing his knowledge, promoting the generation of more knowledge or sharing new technologies that could help get a lead in the business; IT As an ever changing business, Alan moves with the flow and adapts, because of this I recommend him.
— Hector Avena, Developer at Lingo Network.

Alan's very good IT support engineer, he works very hard and have good knowledge. He's the guy you can trust.
— Mingbo Wan, Production Engineer at Facebook.

Alan is not only an excellent programmer but he's also a quick study and extremely motivated resolution-oriented troubleshooter. An example: after finishing his internship, he was assigned to support our application. He took the initiative to develop serious expertise on it including its peripherals and developed a wiki to support them. Suffice it to say: he knew more about the application than most of the vendor's technical staff. He's the kind of customer-oriented go-to partner that helps a team succeed. I wouldn't hesitate to recommend Alan to anyone.
— Martha Culvahouse, Policy and Compliance Manager at AutoZone.

Alan is a talented, focused and goal-oriented developer. His attention to details and deep knowledge of his areas of expertise make Alan a key member of any team he works with. Alan is always willing to take on new challenges. Having Alan in the team will surely make a difference under difficult situations.
— Luis Galindo, IT Manager at AutoZone.

Alan is a very smart and capable programmer. He demonstrated consistently a real interest is providing complete and high quality service to our customers.
— Bill Newsom, Chief Systems Specialist at AutoZone.

Alan is a creative and goal-oriented developer, who is never shy to jump on to new challenges and learn new technologies. His attention to detail and commitment towards a job well done makes him an asset to an IT team. I would strongly recommend Alan for positions that require analytical skills and problem solving.
— Anaid Chacón, Product Manager at Dropbox.

Alan is a very talented and sharp person, during the time I had the opportunity to work with him, he always demonstrated very good programming and analytical skills, he was exposed to different systems in different languages and platforms and he always showed good attitude and willingness to learn and support them. Alan is the kind of developer that always understands customer's needs and solves their problems; he is also not afraid to ask questions about the tasks he is working on and always open to new challenges. I have no doubt Alan is very capable and will always excels in any activity he is focus on.

— Karlo Ochoa, IT Technical Supervisor at AutoZone.

I can recommend Alan Verdugo as a person with great recognition and deep education in different programming languages and OS. Alan Verdugo is a responsible and ambitious programmer. While he can be a very reserved person, he shows all the time a strong determination to fulfill his goals.

— Carlos Rivas, Senior Programmer at Clover Wireless.