

# LAURO SALAZAR

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## Skilled Systems Engineer

- Results-driven and motivated Systems Engineer with extensive experience maintaining and troubleshooting applications, virtual environments, and networking infrastructure in mission-critical situations.
  - Offers hands-on experience with VMware and Hyper-V infrastructure, as well as storage systems, programming, and load balancing.
  - Serves as an integral member of dynamic technical teams, communicating in a clear and concise manner verbally and in writing via summaries, reports, and other documents.
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### CORE PROFICIENCIES

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|---------------------------|-----------------------------------|------------------------|
| • Systems Engineering     | • Systems Testing/Troubleshooting | • Virtual Environments |
| • Complex Problem Solving | • Documentation and Reporting     | • Load Balancing       |
| • Disaster Recovery       | • Application Development         | • Security-centric     |
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### PROFESSIONAL EXPERIENCE

#### SYSTEMS ENGINEER II | Accruent – Cloud Operations, Infrastructure | 2019 to Present

- Coordinate with Cloud Operations, Engineering, DevOps, Security and stakeholders to provide technical solutions, results, and improvement of overall health of data center operations.
- Demonstrating comprehensive understanding of Accruent's multiple hosted solutions in order to improve resiliency, best practice standards, network security, efficiency and uptime - spanning across geographical data centers encompassing technologies such as CISCO UCS, HP Nimble and NetApp Storage, dense VMware virtual environments, and multiple pairs of F5 Load Balancers. In addition to providing experience in cloud environments hosting Accruent solutions in AWS, Azure, and Google Cloud.

Listed are a few contributions to the organization:

- Upgrading F5 Load Balancers across all data centers – in addition to defining standards, designing, developing, and delivering HA production systems, resolving vulnerabilities, improving configurations and researching automation initiatives.
- Key contributor to Accruent's company wide effort to increase our BitSight security score, since becoming involved the score improved from 690 to 730 with an ongoing effort targeting 750.
- Instrumental in the implementation encompassing the efforts to disable TLS 1.0/1.1 and apply secure ciphers across all of Accruent's hosted applications. Increased nearly all products from an SSLabs scoring of (F) and (B) to an (A).
- Developed an Identity Management solution for managing Accruent's diverse and differing Domains, improving our overall security posture in the employee account lifecycle.
- Engaged in the strategic deployment and troubleshooting of hosted solutions.
- Automating repetitive tasks using Terraform and scripting languages.

#### DATA CENTER SYSTEMS ENGINEER II | University of Texas Rio Grande Valley - Data Center Services | 2015 to 2019

- Orchestrates and executes a broad spectrum of systems engineering responsibilities in the Data Center Services department of this public research university with an enrollment of nearly 30,000 students. Serves as an invaluable resource for configuration support across assigned applications, resolution of production issues, and root cause analysis.
- Fulfills a key role administering virtual machines in a mission-critical environment, with a focus on supporting VMware and Hyper-V infrastructure running on Cisco, Dell, and HP servers; coordinates and executes backup, replication, and recovery services for critical systems.

*Continued...*

- Oversees F5 Networks BIG-IP Load Balancers in Edinburg and Arlington, and provided support for over a year to a 40-node High Performance Computing system under UT Brownsville, which was prevalently used by research teams.
- Implemented Splunk monitoring system to provide immediate notifications of application and security issues impacting critical services in servers in Brownsville.
- Leveraged the use of cloud services such as Microsoft Azure to deploy storage systems, virtual machines, and a variety of applications in UT Brownsville.
- Credited with building a tool that automated provisioning of new student email accounts in Active Directory and Microsoft Office 365.
- Applied superior development skills to build multiple web applications, including MyAccount, a web tool used for the activation of UTRGV accounts and features such as self-service password management and account unlocking functionality.
- Developed updates and improvements to Service Desk, a utility to aid in internal administrative functions relating to identity management.
- Served an integral role in the consolidation of the information technology systems of UT Brownsville and UT Pan American into UT Rio Grande Valley.

**SYSTEMS ANALYST III** | University of Texas at Brownsville - Cloud and Computing Platforms | 2013 to 2015

- Provided key support to cloud and computing platforms at The University of Texas at Brownsville.
- Advanced to a role of increased authority and accountability as Data Center Systems Engineer II following the merger of UT Brownsville and UT Pan American to form The University of Texas Rio Grande Valley in 2015.

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**EARLY CAREER**

Research Scientist, University of Texas at Brownsville – Center for Gravitational Wave Astronomy  
Graduate Teaching Assistant, University of Texas at Brownsville – Computer and Information Sciences  
Research Assistant, University of Texas at Brownsville – Computer and Information Sciences  
Web Designer, University of Texas at Brownsville – Physics & Astronomy  
Teaching Assistant, University of Texas at Brownsville – Computer and Information Sciences

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**EDUCATION & PROFESSIONAL DEVELOPMENT****Master of Science Degree in Computer Science**

*Thesis: Accelerating Multimedia Processing Algorithms using GPU Computing Architectures*  
University of Texas at Brownsville

**Bachelor of Science Degree in Computer Science**

University of Texas at Brownsville

Administering F5 BIG-IP Load Balancer Training

Microsoft Official Courses: Upgrading Your Skills to Windows Server 2016 (20743), Configuring Adv. Windows Server 2012 Services (M20412)

Red Hat System Administration RH199 Rapid track and RH342 Linux Diagnostics and Troubleshooting and (RH134)  
ITIL Foundations Certificate in IT Service Management (No. GR750207515LS)

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**TECHNICAL SKILLS**

**Programming Languages:** C++/C#, .NET, PowerShell, Bash, SQL, Java, Python, HTML/CSS

**Virtualization:** VMware, Hyper-V, F5 Networks BIG-IP Load Balancing, AWF, Nimble SAN Storage, NetApp, High Availability, VLAN, Route53, Windows Server, RHEL, OEL, CentOS, ESXi, vSphere, Veeam

**Tools:** Active Directory, Office 365, Git, Bitbucket, Terraform, Ansible, JIRA, Logic Monitor, Service Now, BitSight, Failover Cluster Manager, IIS, DNS, Visual Studio, MSSQL Server, MySQL, Splunk, Wireshark, nmap, LDAP, SSH, Microsoft Word, Microsoft Excel