

# Raymond (Ray) Chudzinski

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Mobile: 713-392-4728

## SUMMARY

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Experienced Splunk Engineer specializing in automation, Splunk Administration and Development, Continuous Integration. Professional Linux System Administrator. Promoting process-driven workflow for code reuse, development of best practices, and technical documentation.

## EXPERIENCE

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- **NTT Ltd.** New York, NY  
*Senior Systems Design / Architecture Engineer* Aug 2014 – Apr 2024
  - **Splunk Administration:** Splunk administrator overseeing multi-site, multi-cluster environment processing 50GB on average.
  - Ensured optimal performance, reliability, and scalability of Splunk deployments, taking advantage of product features.
  - Automated Splunk host upgrades and security patches using Puppet and Ansible.
  - Implemented and maintained Splunk architecture across distributed environments, including forwarders, indexers, and search heads, to support diverse data sources and high-volume data ingestion.
  - Developed and implemented best practices for data onboarding, indexing, and search optimization, enhancing operational efficiency and user experience.
  - Instructed SMEs on constructing knowledge objects and pivot tables, allowing users self-service utility in tools.
  - Created an internal GIST site for commonly used and/or difficult query structures.
  - Proactively monitored Splunk infrastructure health, conducted performance tuning, and managed upgrades to keep systems up-to-date and secure. Lead advocate for use cases across the functional groups.
  - Used REST interface in reporting and administration.
  - **Continuous Development / Continuous Integration (CI/CD):**
  - Implemented and managed infrastructure automation using Puppet and GitLab code runners for testing and revision control.
  - Promoted code reuse for collaborative development workflows and ensured code integrity.
  - Employed VMware for virtualization, optimizing resource utilization, and enhancing scalability within the organization's IT infrastructure.
  - Leveraged code best practice templates for both internal and community modules.
  - **Technical Documentation Modernization:**
  - Led the migration and curation of technical documentation for multiple groups, culminating in creating searchable and effective knowledge libraries.
  - Collaborated with cross-functional teams to understand documentation needs and requirements, ensuring alignment with organizational goals. Implemented documentation standards and best practices to enhance content clarity, consistency, and usability.
  - Leveraged tools such as Confluence and SharePoint to centralize documentation repositories and enable efficient access and retrieval. Conducted regular audits and updates to ensure accuracy and relevance, fostering a culture of continuous improvement and knowledge sharing across the organization.
  - **User Management System:** I developed a bespoke user authentication and authorization system. Based on strict zero trust architecture, it allowed flexible and delegated user access to resources such as in-house and third-party web applications, host systems, and router infrastructure.

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- **Speedcast Communications**

*Senior System Administrator*

Houston, TX

*May 2004 - Aug 2014*

- **Sea Vessel Tracking:** Created a web application that displays location, heading, velocity, and critical telemetry data. It is used for tax authority calculation and hazardous weather avoidance. Ruby on Rails, JavaScript, JSON, Google Maps, and MySQL.
- **Remote Video Streaming:** Designed a sophisticated system to digitize video feeds over low bandwidth satellite links, enabling real-time video transmission for undersea remotely operated vehicles (ROVs) utilized in oil production operations and disaster remediation scenarios. Skillfully balanced video resolution and quality to optimize bandwidth utilization within the constraints of satellite network limitations. This innovative solution significantly enhanced operational visibility and decision-making capabilities in challenging environments, ultimately contributing to improved efficiency and safety outcomes.

- **Visa Credit - USA**

*Unix System Engineer - Contract*

Austin, TX

*Jan 2004 - July 2004*

- **Verified by Visa:** Maintained and Enhanced systems supporting the Verified by Visa project using Solaris HA paring, Perl scripting, and Oracle RDBMS.

## PROJECTS

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- **MACAddr:** Ruby Gem Class for storing and Identifying network MAC Addresses.
- **Splunk Dashboard for OpenLDAP:** Splunk dashboard for identifying system performance and tracing user issues. (Internal)
- **Puppet Module for Splunk:** Puppet Module for installing and maintaining a distributed Splunk infrastructure. (Internal)

## PROGRAMMING SKILLS

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- **Languages and Toolsets:** Splunk, Splunkbase, Ansible, Puppet, PuppetForge, Python, Python Modules, Git, Flask, Django, SQLAlchemy, JavaScript, SQL, Bash, Ruby, Ruby on Rails, Perl
- **Technologies:** Puppet, GitHub, GitLab, Splunk, Splunkbase, VMware Cloud Foundation (vSphere, vCenter, vSAN NSX-T), PostgreSQL, MySQL, Linux - RHEL and Debian, OpenLDAP

## CERTIFICATIONS AND TRAINING

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- **Splunk Certified Enterprise Administrator** *Credential ID 117345 - Sep 2016*
- **Puppet Certified Professional** *Credential ID PCP-1444757480 - Jan 2022*
- **Cisco Certified Network Administrator (CCNA)** *Credential ID CSC013538206 - Feb 2020*
- **VMware Administration** *Aug 2019*
- **ACM Member** *Sep 1993*

## EDUCATION

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- **University of Houston - Clear Lake** *Houston, TX*  
*Master of Science in Computer Science* *May 2016*
- **University of Texas - Dallas** *Dallas, TX*  
*Bachelor of Science in Computer Science* *May 1996*

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VOLUNTEERISM

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• <b>EFF</b>	Jan 2004
• <b>Clean Clearlake</b>	May 2023
• <b>Citizens Against Derelict Dumps (Dead Boat Society)</b>	2024
• <b>Feeding America</b>	Jan 2015
• <b>Civic Club Fundraisers</b>	May 2012