

Contact

tehasp@chaudhri.me

www.linkedin.com/in/tehasp
(LinkedIn)

Top Skills

Linux
Red Hat Linux
CentOS

Languages

English (Native or Bilingual)
Urdu (Limited Working)

Certifications

Certified ScrumMaster (CSM)

Publications

Low-Temperature
Thermochronology: Techniques,
Interpretations, and Applications

Tehmasp Chaudhri

Experienced Technical Leader
Broomfield

Summary

Skilled software engineer with a focus on systems architecture, development, and administration. Excellent communication skills.

Always staying apprised and up to date with the latest trends in software technologies and excited about implementing new and cost effective ways to help adapt and grow a business.

Specialties:

- Public/Private cloud computing design and implementation.
- Continuous integration and deployment.
- Configuration management and infrastructure automation.
- Linux systems administration with production environment support.
- Agile software development.

Experience

Comcast

Sr. Principal Architect, Reliability Engineering
August 2019 - Present (1 year 4 months)
Denver, Colorado

Strong Horse Consulting

Chief Cloud Architect
August 2017 - Present (3 years 4 months)
Broomfield, CO

IT consulting specializing in cloud computing (AWS, GCP, OCI), dev/ops, Linux system administration, and Google G Suite.

AIG

Sr. Cloud Engineer
January 2019 - August 2019 (8 months)
Broomfield, Colorado

VMware Carbon Black

Sr. Manager/Cloud Architect
February 2018 - January 2019 (1 year)
Boulder, CO

At Carbon Black, I managed and led an infrastructure engineering team providing shared infrastructure services to the organization's development teams in order to facilitate faster delivery of services to production.

Spearheaded the design of Mosaic, our opinionated infrastructure framework for containerized micro-services deployment on top of AWS EKS.

Technologies Used:

- Amazon AWS (VPC, EC2, AMI, S3, IAM, ELB, Trusted Advisor, AWS CLI)
- Vagrant, Packer, Terraform, Docker, Kubernetes/EKS, Helm, InfluxData TICK Stack, ElasticSearch, Grafana, Kibana, Jenkins

Oracle | Datalogix
Sr. Manager/Cloud Architect
February 2016 - February 2018 (2 years 1 month)
Broomfield, CO

At Oracle Data Cloud (ODC), I led the design and implementation of our internal multi-cloud (AWS & OCI) infrastructure services platform named Rampart.

Rampart was a fully managed infrastructure platform and provided our users (development and operations teams) reduced cloud costs and complexity with increased infrastructure agility and reliability. Rampart included a system provisioning, configuration management, metrics, logging, containerization, and infrastructure analytics solution.

In addition to providing managed infrastructure services with Rampart, my team and I successfully migrated over two dozen ODC development teams to full containerized deployments in the cloud. We helped many of these teams re-architect their applications to be cloud native and adhere to twelve factor application methodologies. Finally, we provided a means for business leadership to see that a true digital transformation had taken place in the organization by providing realtime graphs and metrics of ODC services running in containers on top of Rampart services.

While leading the design and implementation of Rampart, I also managed my team by adhering to the following principles that I deeply believe are the hallmark of a successful technical leader:

- Providing the team with a clear charter and vision of the work ahead.
- Serving my team's needs by unblocking them and empowering them to do great work.
- Managing by rolling up my sleeves and writing software alongside my team.
- Setting high standards for my team in order to push the envelope of innovation.
- Building each team member into a leader and ultimately building a self-managing team.

Technologies Used:

- Amazon AWS (VPC, EC2, AMI, S3, IAM, ELB, Trusted Advisor, AWS CLI)
- Oracle Cloud Infrastructure Services
- Puppet, Vagrant, Packer, Terraform, Docker, Mesos, Marathon, Kubernetes, InfluxData TICK Stack, ElasticSearch, Grafana, Kibana

JumpCloud

Sr. Infrastructure Engineer

July 2015 - February 2016 (8 months)

Boulder, CO

Leading the technical infrastructure design and implementation at JumpCloud.

- Multi-cloud infrastructure architecture and design.
- Multi-cloud configuration management and deployment strategy with SaltStack.
- Multi-cloud system and application monitoring.
- Managing costs.

- Mentoring junior staff.
- Participating in production on-call duties.

Technologies Used:

- Amazon AWS (VPC, EC2, AMI, S3, IAM, ELB, Trusted Advisor, AWS CLI)
- Google Cloud Platform
- SaltStack, Vagrant, Packer, Terraform, Docker, Jenkins, StackDriver

Aetna, a CVS Health Company

Sr. Infrastructure Engineer

October 2014 - July 2015 (10 months)

Denver, CO

A member of the SaaS Operations team responsible for the technical infrastructure and critical support of iTriage's core application and it's complementary web services. In addition, responsible for furthering the feature development and maintenance of Utopia, a platform-as-a-service (PaaS) built on top of Apache Mesos/Marathon. This PaaS is leveraged by many development teams at iTriage for testing and deploying their own software onto. The SaaS Operations team focuses on bringing innovation through leveraging cloud services and systems automation to help drive iTriage's business forward.

- Built out the initial SaltStack configuration management environment.
- Designed new AWS VPC architecture with an AWS resource naming convention.

- Development of Utopia infrastructure services.
- Helping to drive change by focusing team to practice Agile Operations.
- Mentoring of junior engineers and giving company technology presentations.
- Participating in rotating production on-call duties.

Technologies Used:

- Amazon AWS (VPC, EC2, AMI, S3, CF, IAM, ELB, Trusted Advisor, AWS CLI)
- Ruby, SaltStack, Vagrant, Docker, Apache Mesos, Mesosphere (Marathon), Jenkins, New Relic

Rally Software

Sr. Infrastructure Engineer

April 2014 - October 2014 (7 months)

Boulder, CO

A member of the SaaS Operations team responsible for the technical infrastructure and critical support of Rally Software's core application and it's complementary web services.

- Helped migrate Flowdock.com from a private datacenter to AWS (in Q3 2014).
- Designed the Flowdock.com AWS EC2 AMI creation process with Packer while incorporating CIS Internet Security standards.

- Helped drive change by focusing team to make and meet commitments.
- Mentored junior staff members.
- Participated in rotating production on-call duties.

Technologies Used:

- Amazon AWS (VPC, EC2, AMI, S3, CF, IAM, ELB, Trusted Advisor, AWS CLI)
- Ruby, Puppet, Chef, Packer, Vagrant, Docker, Jenkins, Splunk
- Dell r6XX/r7XX/r8XX/r9XX series servers
- VMWare ESXi
- NetApp (7-mode) SAN
- Cisco ASA 5500 series firewall and Catalyst 3560 series switches
- Citrix NetScaler load balancers

Pearson

Sr. Systems Developer

September 2013 - April 2014 (8 months)

Denver, CO

A member of the Cloud Systems Development (CSD) team responsible for furthering the feature development and maintenance of a platform-as-a-service (PaaS) built on top of Amazon's AWS suite of technologies. This PaaS is leveraged by many development teams at Pearson North America for testing and deploying their own software onto. The CSD team focuses on bringing innovation through leveraging cloud services and systems automation to help drive Pearson's business forward.

- Developed puppet-magnum, a RubyGem that helps Puppet developers quickly create consistent modules and leverage the following test tools: rspec-puppet, serverspec, puppet-lint, puppet-git-hooks, puppetlabs_spec_helper, and vagrant.

Technologies Used:

- Amazon AWS (VPC, EC2, S3, CF, IAM, ELB, Trusted Advisor, AWS CLI)
- Netflix OSS (Edda, Ice)
- Ruby, Puppet, MongoDB, Cassandra, GlusterFS, Redis, ElasticSearch, Jenkins, Zabbix

Rally Software

2 years 4 months

Sr. SaaS Operations Engineer

December 2011 - September 2013 (1 year 10 months)

Boulder, CO

A member of the SaaS Operations team responsible for the technical infrastructure and critical support of Rally Software's core application and its complementary web services.

At Rally Software we embrace a close collaboration with development and operations staff (DevOps), work in an agile environment, continuously deploy and release our code, perform post-mortems for any production issues, and focus on automation to help drive our business forward.

- Lead the operations work for building out and migrating Rally Software's new analytics engine, a MongoDB backed infrastructure, from alpha to production.
- Tested, configured, and rolled out next-gen Dell r810 servers for Rally Software's core application Oracle database.
- Migrated from Puppet to Chef to further automate software releases with seamless build and deployment pipelines and supporting Rally Software's continuous delivery vision.
- Monitoring, capacity planning, performance/load testing of our SaaS production environment and internal development systems.
- Worked with different Rally Software development teams to operationalize their web services for production environments.
- Configuration management of production and testing server resources via Puppet/Chef.
- Participated in rotating production on-call duties.

Technologies Used:

- Amazon AWS (EC2, S3, CF, IAM)
- Ruby, Puppet, Chef, MongoDB, Cassandra, Ganglia, Jenkins, Splunk
- Dell r6XX/r7XX/r8XX series servers
- VMWare ESXi
- HP LeftHand and NetApp (7-mode) SAN
- Cisco ASA 5500 series firewall and Catalyst 3560 series switches

SaaS Operations Engineer

June 2011 - December 2011 (7 months)

Boulder, CO

A member of the SaaS Operations team responsible for the technical infrastructure and critical support of Rally Software's core application and its complementary web services.

At Rally Software we embrace a close collaboration with development and operations staff (DevOps), work in an agile environment, continuously deploy and release our code, perform post-mortems for any production issues, and focus on automation to help drive our business forward.

- Configuration management of production and testing server resources via Puppet/Chef.
- Participated in rotating production on-call duties.

Technologies Used:

- Amazon AWS (EC2, S3, CF, IAM)
- Ruby, Puppet, Chef, MongoDB, Cassandra, Ganglia, Jenkins, Splunk
- Dell r6XX/r7XX/r8XX series servers
- VMWare ESXi
- HP LeftHand and NetApp (7-mode) SAN
- Cisco ASA 5500 series firewall and Catalyst 3560 series switches

Avaya

Software Engineer III

June 2006 - March 2010 (3 years 10 months)

Denver, CO

Served on teams responsible for the customer management, configuration, and deployment of the following core Avaya telecommunications products:

- Avaya Aura Communication Manager
- Avaya Aura Session Manager and System Manager

Avaya Aura Team (2008 - 2010)

- Member of team managing a JBoss A/S and CentOS 5 based Linux OS for Avaya's upcoming Aura Session Manager (ASM) and System Manager (SM) product family.
- Designing and developing consistent (database-driven) administration web interfaces with Java/JSF/Seam/Trinidad.
- Participating in an Agile work environment with daily Scrum meetings and revolving three week development sprints.

- Employing a test-driven development methodology by using tools such as JUnit and EasyMock for unit testing; and automating nightly tests of ASM administration web interfaces via tools such as Selenium.
- Producing and maintaining design and coding standards documentation for fellow developers.
- Managing the customer documentation teams in India for both Avaya CM and Aura projects.
- Collaborating with and mentoring other developers in remote locations such as New Jersey, Germany, India, and Israel.
- Attending various Linux, Java, and Avaya proprietary classes.

Avaya CM/OS Platform Team (2006 - 2008)

- Member of team managing a RHEL 4 based Linux OS for Avaya's flagship Communication Manager (CM) product.
- Supporting CM and RHEL 4 on current and future CM server hardware.
- Developing consistent web interfaces with PHP/Perl/HTML/CSS for various customer system administration purposes of a CM server.
- Implementing custom features for Avaya's top-tier clients (e.g. DoD, Citigroup) on a tight schedule with shifting requirements.
- Investigating and solving server software security vulnerability problems.
- Developing server back-end maintenance tools/daemons in C/C++/Perl/Bash.

University of Michigan

Research Assistant, Geological Sciences

September 2003 - August 2005 (2 years)

Ann Arbor, MI

- Developed a Trolltech/Qt based graphical user interface for an existing geophysics application and verified cross compatibility under Windows XP, Mac OS X, and Linux.
- Ported and rewrote other existing software to C++.
- Collaborated with professors and graduate students demonstrating teamwork skills.
- Published research work in Reviews in Mineralogy and Geochemistry

Orcom

Intern, Networks and Infrastructure Services

July 2003 - August 2003 (2 months)

West Conshohocken, PA

- Implemented a company-wide discussion board for software developers and presented demonstrations to upper-level management.
- Deployed and monitored a network intrusion detection system.
- Rewired the department server rack.
- Created an inventory of all network devices.
- Installed a network backup server.
- Produced documentation detailing all work performed at Orcom.

Education

University of Michigan, Ann Arbor

Bachelor of Science, Computer Science · (2002 - 2006)