

Chris Mazuc

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Senior Systems Development Engineer (L6)

December 2021 - Current

Amazon

Tucson, AZ (Remote)

- Full stack developer with a focus on serverless backend APIs implemented in Python
- Extensive knowledge and experience designing, building and operating globally distributed infrastructure based on AWS services - primarily S3, Lambda, API Gateway, DynamoDB, EC2/EBS, CloudFront, CloudWatch, CloudFormation/CDK, Route53, SQS, VPC, KMS and IAM
- Designed and implemented an authenticated, end-to-end encrypted, hybrid cloud/on-premises content distribution system to support migration of internal networks to a zero trust architecture
- Led a cost savings effort within my organization which resulted in \$12MM reduction in yearly AWS account spend
- Designed and implemented custom solutions to support standalone Tanium Server deployments in native AWS
- Collaborated with teams outside of my organization to develop an ECS and Docker based service deployment and orchestration system for on-premises infrastructure
- Designed and implemented a multi-platform secrets escrow service to support storage and recovery of administrative passwords and disk encryption keys from managed client devices
- Implemented on-prem Windows Update caches by extending existing Nginx caching proxies to replicate functionality provided by Microsoft Connected Cache
- Extensively mentored junior engineers on soft and technical skills
- Regularly served as a reviewer and contributor on design and planning documents for both my team and broader organization
- Led multiple efforts to implement Continuous Integration/Continuous Deployment best practices across my team's service portfolio
- Participated in interviewing and hiring, both within and outside of my organization
- Performed technical promotion assessments for engineers across the company

Systems Development Engineer (L5)

November 2016 - December 2021

Amazon

Seattle, WA (Remote)

- Designed and implemented a service for reliable replication of large Debian package repositories into S3
- Designed and implemented a service for enforcement of 2 factor authentication for administrative access to client devices by support personnel
- Initiated and led a project to migrate Ubuntu client devices Active Directory integration from Power Broker Identity Services (PBIS) to System Security Services Daemon (SSSD)
- Initiated and led a project to migrate Ubuntu client device management to Ansible
- Served as project lead for the internal Ubuntu 18.04 release
- Participated in interviewing and hiring for my team
- Mentored multiple IT Support Technicians and supported them in promotions to new roles

Systems Development Engineer (L4)

January 2016 - October 2016

Amazon

Seattle, WA

- Designed and implemented an on-premises content distribution system based on Nginx at every corporate office and fulfillment center globally (800+ sites)
- Served as project lead for the internal Ubuntu 16.04 release
- Designed and implemented a service for distribution of Ubuntu imaging configurations (preseeds)
- Responsible for all first and third party update/patch deployments to client devices

Systems Engineer (L4)
November 2014 - January 2016

Amazon
Seattle, WA

- Responsible for first and third party update deployments for all Windows, macOS and Ubuntu client devices
- Designed and implemented a web-based tool for management of software update deployments and patches
- Supported the internal Ubuntu 14.04 release

Deskside Support Technician (L4)
February 2012 - November 2014
September 2011 - February 2012 (contract)

Amazon
Seattle, WA

- Provided in-person technical support for Amazon employees in Seattle
- Developed a check in service for in-person support requests to eliminate manual recording of contacts and save hundreds of hours of daily data entry globally

Senior Technician
March 2009 - April 2011

Chesapeake PC Source
Leonardtown, MD

- Provided remote and on-site technical support and repair services for residential and business clients
- Responsible for all day to day retail shop operations such as inventory management, product ordering, customer service and invoicing

Field Engineer
October 2007 - December 2008

Alpha Data Systems
Tallahassee, FL

- Administered and maintained servers, PCs and network equipment for medical and industrial business clients located across Florida, Georgia and Alabama
- Provided remote and on-site technical support for clients
- Designed and implemented comprehensive disaster recovery plans for clients
- Worked closely with the Medical Software department at ADS to ensure smooth operation of electronic medical record and practice management applications managed on behalf of clients
- Provided technical assistance to the Sales team

Systems Administrator
October 2005 - August 2007

DataGroup Technologies
Greenville, NC

- Responsible for administration and maintenance of all servers used for web hosting, e-mail, billing and VoIP
- Designed and implemented custom VoIP solutions using Asterisk for business customers
- Designed and implemented a comprehensive disaster recovery plan for all DTI servers
- Provided remote and on-site technical support for businesses and residential customers

Founder and Owner of [Tesota Overland](#)
Early Contributor to the Bluefish HTML editor (1998-2000)
Amateur Radio Operator, General Class - KI7PLN
Red Cross CPR/First Aid/AED certified