COLE **MICKENS**

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EDUCATION

UNIVERSITY OF NEBRASKA-LINCOLN
JEFFREY S. RAIKES SCHOOL
August 2008 - December 2012
GPA: 3.615

Bachelors of Science in Computer
Engineering with Business Minor

SHAWNEE HEIGHTS HIGH SCHOOL
GPA: 3.94

OSS CONTRIBUTIONS

- **ACS-Engine:** project maintainer, contributions for deployment and upgrade features, CI testing, validation, and more
- **Azure Go SDK:** implemented client certificate auth, IETF draft device auth support
- **Kubernetes:** Azure support for load balancers, pod networking, general bring-up
- **Kubernetes Ingress:** added support for externalizing auth decisions to protect internet-facing services
- **NixOS:** random package maintenance, new modules; helped with some Azure support for NixOps
- **Sway:** libinput configuration support

NOTABLE PROJECTS

- **XBTunnel:** in high school, built a specialized VPN for bridging remote networks for Xbox local-network play over the Internet (libpcap, etc)
- **CFDynDNS:** implemented a basic CloudFlare dynamic DNS client in PowerShell, Go and Rust
- **azure-archlinux-packer::** built tooling for automated creation and deployment of Arch Linux images in Azure
- **twitlistauth:** reverse proxy that uses membership in a private Twitter list to authorize users (extended to work with Ingress + auth_request and run in a K8s cluster)

SKILLS

PROFICIENT: Azure, Kubernetes, Docker, Linux, systemd, bash, Go, .NET, Java, HTTP, Git, networking, authentication
FAMILIAR: PHP, Python, Javascript, HTML, CSS, PowerShell

EMPLOYMENT HISTORY

MICROSOFT - AZURE CONTAINER SVC **Software Engineer** Oct 2015 - May 2017
Added support for Kubernetes to ACS, setup initial CI system, maintained and contributed to the OSS component (ACS-Engine); designed and implemented cluster upgrades; worked with partner teams to support them and to drive improvements across Azure; continued work on the Azure "cloudprovider" plugin for Kubernetes.

MICROSOFT - AZURE LINUX **Software Engineer** Oct 2015 - Oct 2016
Rewrote the bring-up for Kubernetes on Azure; redesigned and implemented the system used to build Red Hat Enterprise Linux images for Azure; added Azure support to Kubernetes-Anywhere.

MICROSOFT - UNIVERSAL STORE **Software Engineer** June 2013 - now
Helped build the ingestion system that aggregated data from multiple products groups into the unified Store catalog; designed ways of continuously testing our data during ingestions and deployments; built integrations for partner teams like Office and external companies.

MICROSOFT - WINDOWS STORE **Software Engineer (Intern)** June 2013 - now
Built support for "consumable" in-app purchases (coins, ammo, etc) in Store applications.

UNL COLLEGE OF JOURNALISM **Student Developer** Aug 2011 - May 2012
Built a Django application to showcase student journalists' photography and stories; handled deployment onto a PaaS called Gondor.io.

STOCK REALTY AND AUCTION CO **Student Developer** Aug 2010 - Aug 2011
Implemented a farm equipment auctioning platform (with support for user bidding) in ASP.Net MVC; built for and deployed it to Azure; conducted user feedback studies.

CERNER CORPORATION **Developer (Intern)** Summer 2011
Built a Maven plugin for detecting transitive dependency version conflicts; implemented PubSubHubbub for an experimental internal project.

CERNER CORPORATION **Developer (Intern)** Summer 2010
Supported an internal "social" platform, Jive SBS, and the internal company Confluence wiki.

UNL GRADUATE ADMISSIONS **Developer** Oct 2008 - May 2009
Rewrote an application to run on the newly announced Azure; implemented a farm equipment auctioning platform (with support for user bidding) in ASP.Net MVC; conducted user feedback studies.

AB FLINT MOTORS **Freelance Developer** Spring 2008
Setup Drupal on a VPS; built a custom plugin to automate the creation of car listings and "car quick info stickers" (used on car lots) in PDF form; built a custom theme with various visual elements for the website.