

ANDREW MAJOT

G I T H U B . C O M / A M A J O T

PROFESSIONAL SUMMARY

DevOps engineer with 5 years of experience in all facets of development from infrastructure design to testing, deployment, and monitoring. Enthusiastic hands-on developer with a proven record of driving results by communicating across lines of business to achieve goals. Brings graduate academic experience to bear on highly technical projects by analyzing variables while researching and experimenting to find the best performance and cost options for given applications.

QUALIFICATIONS

- Specialize in migrating and refactoring applications to the AWS cloud using best practices
- Experienced with a variety of languages including PHP, Golang, Python, Java, Javascript, Bash & Ruby
- Applies SOLID programming principles, TDD, and Agile methodology to application development
- Extensive experience with CI/CD and monitoring to ensure smooth code delivery
- Strong infrastructure and configuration management skills with Terraform, Ansible & Chef
- Knowledgeable in full-stack HA architecture best practices to ensure maximum application availability

EXPERIENCE

NEUSTAR INC. ■ LOUISVILLE, KY | STERLING, VA

Senior DevOps Engineer

2013–PRESENT

- Innovate and architect SaaS applications in tight partnership with non-functional business units
- Lead DevOps initiatives to drive continuous improvement and automate feedback loops as a full-stack engineer
- Reduced manual labor and overhead expense through automation while driving a 10% reduction in error/bug rates released into production
- Led key initiatives in improving bottlenecks in existing infrastructure and architecture while striving to maintain a cloud-first paradigm
- Collaborated with team to improve agility & reliability for business-critical systems with self-healing architectures and automated deployment methods
- Reduced infrastructure overhead by \$40K YoY via cost-saving architectures as part of strategic cloud adoption into AWS
- Consistent rating of exceptional performer (Top 10%) and have mentored or peer programmed with other software engineers

Product Reliability Engineer

2010–2013

- Worked as an engineering liaison with solutions team to streamline customer impact cycles
- Assembled process automation to improve the overall customer experience by tuning full product lifecycle efficiency

CERTIFICATIONS

Name	Cert Number	Expiration
AWS DevOps Engineer – Professional	AWS-PDOE-1812	Apr 2019
AWS Solutions Architect – Professional	AWS-PSA-3481	Jan 2019
AWS Developer – Associate	AWS-ADEV-7926	Jan 2019
AWS SysOps Administrator – Associate	AWS-ASOA-6174	Jan 2019
AWS Certified Solutions Architect – Associate	AWS-ASA-20406	Jun 2018

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EDUCATION

Master of Science, Computer Science (2014)

University of Louisville ■ Louisville, KY

Studied Artificial Intelligence, Data Mining, and advanced Computer Science topics through the University of Louisville Speed School Computer Engineering and Computer Science program. Performed research on topics including quantum cryptography and computational ethics.

Bachelor of Science, Informatics (2010)

Indiana University Southeast ■ New Albany, IN

Studies focused on human-computer interaction, desktop and mobile application programming, web application development, multimedia design, computer network/systems security, and project management. Worked individually and in groups to create desktop, mobile, and web application prototypes.

PUBLICATIONS

Diminishing Returns and Recursive Self Improving Artificial Intelligence

The Technological Singularity: Managing the Journey ■ 2017

Global Catastrophic Risk and Security Implications of Quantum Computers

Futures Journal ■ 2015

AI Safety Engineering Through Introduction of Self-Reference Into Felicific Calculus via Artificial Pain and Pleasure

IEEE International Symposium on Ethics in Engineering, Science, and Technology ■ 2014

Outcome Prediction Using Big Data, With Emphasis on Election Year Results

Neustar Tech Summit Conference ■ 2012

Skynet: An Open Source Solution to Detecting Potentially Hazardous Objects

Indiana University Southeast Undergraduate Research Journal ■ 2011

Winner of the 2011 Chancellor's Award for Interdisciplinary Achievement

RESEARCH EXPERIENCE

INDIANA UNIVERSITY SOUTHEAST ■ NEW ALBANY, IN (2008 - 2010)

Undergraduate Research Fellow

2009

Researched methods and practices of constructing a small-scale cluster computer system using Debian Linux and Beowulf clustering software. Dubbed SkyNet, its purpose is to help the astronomical community by using a computer cluster to autonomously search for Potentially Hazardous Objects from both old and new data acquired from the National Virtual Observatory, the SDSS, and the soon to be operational LSST.

Undergraduate Research Assistant

2008 - 2010

Engaged in research funded by the Department of Informatics involving cluster computing and the defining of AstroInformatics as a scholarly field. This research focused on using the power of cluster computing to process existing datasets from the online Virtual Observatory in order to find Near Earth Objects (NEO's) and other celestial objects.