

Michael W. Eder

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Certifications

AWS Solutions Architect Associate 2019

Education

Mount Saint Joseph High School 2004

CCBC Catonsville - Associates Degree Automotive Engineering 2006

Work Experience

SRE Lead / Live Engineering, Bethesda.net Apr. 2019 – Present

- Lead team of 8 local and remote engineers from various backgrounds.
- Troubleshoot and resolve player impacting issues in Production.
- Support game team integration into BNET platform.
- Define and monitor SLI's and SLO's for platform services.
- Identify service performance optimizations.
- Total cost of ownership reductions through improving AWS resource utilization.
- Present regular platform performance reports to leadership.
- Ongoing contributions to platform language migration from Python to Golang.

Software Engineer / Core Engineering, Bethesda.net Feb. 2017 – Apr. 2019

- AWS architecture solutions implementation and usage governance.
- Architect and operate sharded service infrastructure and 1000+ node ECS clusters.
- Built, maintained and supported Python services that make up the BNET API.
- Apply NewRelic instrumentation to stacks of Python, NodeJS, and Java applications.
- Primary development contributions to API key system, client messaging/MOTD, event logging and publishing systems.
- Maintain and bug fix common core library while supporting feature integration teams.
- Migrated platform deployment from monolithic EC2 instances to Docker/ECS micro services, based on common core library.
- Designed and built high volume Fluentd, Elasticsearch and Kibana logging solution.

Tools Administrator, Zenimax Online Studios Apr. 2016 – Feb. 2017

- Live Operations monitoring, alerting tools integration and development.
- ServiceNow administration, customization and development.
- Slack integration and bot development.
- Technical lead for migration from ServiceNow to ChangeGear ticketing systems.

System Administrator, Zenimax Online Studios Aug. 2014 – Apr. 2016

Operations and Development support for various game studios within the Bethesda/Zenimax Media umbrella.

- Run and monitor game builds - Anthill Pro, Jenkins CI, and Team City.
- Investigate failed builds, escalate to game engineers as necessary.
- Deploy approved builds to datacenter and AWS.
- Infrastructure maintenance and vendor support coordination.
- Apply updates to virtual hosts and patch server operating systems.
- Server configuration management via Chef.
- Monitoring health of various environments and infrastructure via Graphite and Grafana.
- Splunk for exploit investigations, error finding/log diving.
- Update and improve tools used in the NOC such as Geckoboard widgets, Shinken configurations and ServiceNow dashboards.
- Contribute to knowledge base and documentation in Confluence.

Game Credits

- Rage 2 (2019) Bethesda.net Engineering Team
- Fallout 76 (2018) Bethesda.net Engineering Team
- Prey: Mooncrash (2018) Bethesda.net Engineering Team
- Dishonored: Death of the Outsider (2017)
Bethesda.net Engineering Team
- The Evil Within 2 (2017) Bethesda.net Engineering Team
- Prey (2017) Bethesda.net Engineering Team
- The Elder Scrolls: Legends - Heroes of Skyrim (2017)
Operations Systems Admins
- The Elder Scrolls Online: Morrowind (2017)
Bethesda.net Engineering Team
- Quake: Champions (Early Access Edition) (2017)
Operations Systems Admins
- Dishonored 2 (2016) Tools Admin
- DOOM (2016) Live Operations Systems Admins
- The Elder Scrolls V: Skyrim - Special Edition (2016) Tools Admin
- Fallout 4 (2015) Operations Systems Admins

