

## Eshé N. Pickett

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*I am a Software Developer with a specialty in Software Defined Infrastructure and automation at scale. I enjoy leading teams to develop solutions that improve reliability and optimize compute environments. I believe in the value of mentorship*

**Intel Corporation:** Chandler, AZ August 2005-Present:

*Software Architect. 2019-Present*

- Support customers with in-store cloud-to-Point of Sale (POS) workloads and system software
- Identify architectural benefits of micro-services, virtualization, and containerization technologies.
- Determine orchestration needs for deployment and remote management of devices and applications.
- Understand performance implications and security needs of modern software architectures.

*Cloud Automation Engineer. October 2014-2019*

- Developed solutions for deployment and maintenance of enterprise scale Internal Cloud infrastructure
- Implemented OS Provisioning for Windows and UNIX as a Service using cloud aware application development.
- Developed automation to preemptively resolve virtual machine issues, achieving a 42% reduction of ticketed issues.
- Led a 9-member team as Product Owner to architect and deploy cloud infrastructure monitoring and alerting.

*Design Automation Engineer. 2008-2014*

- Led a multi-site team to architect and deploy a firewalled environment solution for Offsite Design Centers.
- Coordinated a 5-team to converge and standardize register methodology
- Adapted Perl-based large volume regression runs to automate random seed simulation for design coverage collection.
- Designed a collateral release flow, resulting paper was accepted to the 2012 Design Test and Technology Conference.
- Enabled PCIe and CPU benchmarks to simulate workloads on IA Platforms and a White Paper to proliferate findings.
- Wrote portions of Platform Quality of Service Proof of Concept C library for cache enforcement.
- Managed interactive, batch computing, and storage infrastructure for 100+ engineers.

*Systems Programmer. 2005-2007*

- Supported compute server allocation and deployed resource utilization tracking metrics for compute capacity.
- Designed cross site modules to automate the management, installation and provisioning of Unix server instances.
- Leveraged Wiki technology to consolidate existing documentation and manuals
- Developed curriculum and training materials for delivery of online courses
- Developed feature set for XAJAX and PHP based objective and milestone management utility w/MySQL backend.
- Provided managerial and team lead coverage; received site recognition award for exceptional coverage.

**Awards:** Corporate Affairs Recognition; top community volunteer for giving 50+ service hours, 2008-Present.

Department Recognition Award for successful management of divestiture activities, 2007. Department Recognition Award for Deployment of Offsite Design Center Firewalled Environment solution, 2013. Technical Workshop presenter NSBE, 2016. Software Professionals Conference accepted presentation on auto-remediation, 2016. Phoenix Business Journal 40 Under 40, 2017.

**Third World Press:** Chicago, IL. *September 2003-June 2005; Independent Contractor –IT/Accounting.*

- Setup and maintained Windows XP/ Macintosh OS X peer-to-peer inter-office network.
- Designed and executed new customer service system to provide more efficient order tracking.
- Planned and implemented the migration of accounting system from DacEasy to QuickBooks
- Produced office manual of procedures and directly managed volunteer and intern program for IT and accounting.

### PROFESSIONAL & COMMUNITY ASSOCIATIONS:

- Arizona Humanities, Board Member: 2015-Present ; City of Chandler, Neighborhood Advisory Committee: 2015-Present

**SKILLS** Python, PowerShell, Shell, Perl, C/C++, Java, MySQL, SQLite, MSSQL, OpenStack, Git, GitHub, JSON, YAML, XML, Docker, CICD, VMWare, UNIX/Linux, Windows, Agile, SAFe Practitioner, DevOps, Office 365 Suite, GSuite

**EDUCATION** University of Chicago, Chicago, IL: Master of Science, Computer Science, June 2005.

Northwestern University, Evanston, IL: Bachelor of Science, Computer Science, June 2002.