

Erskin Cherry



<https://www.linkedin.com/in/erskin-cherry-556326a7/>

12501 Two Farm Dr.
Silver Spring, MD 20904
erskin@eldritch.org
808-387-3173

Summary

A tech lead, software developer, and knowledge manager solving process and technical problems for more than twenty years with Python, SQL, and practicality

Background

Over a decade of experience in software development with more than a dozen programming languages especially Python (and including Perl, PHP, Java, JavaScript, C, C++, various shell scripting languages, and others)

Over a decade of designing and supporting the larger software development life cycle (SDLC) from design and architecture (monolithic and micro-service), version control branching models, test coverage, containerization with docker and cloud deployment, CI/CD, all the way through to production operational monitoring and support, as well as the supporting processes such as agile issue tracking and workflow design

Over a decade of experience with SQL relational database design, installation, and administration, from MySQL to Snowflake, including ACID compliance, database normalization, and transactions

Over a decade of recognized excellence in technical mentorship, training, and professional development for software and data engineers as well as non-technical roles

More than eight years as a system and network administrator of GNU/Linux Unix machines, including infrastructure as code tools and hardware troubleshooting and repair

Over six years as a key technical expert and troubleshooter for all company products while driving process improvement across the organization from startup, through IPO, to acquisition by Oracle

Experience

OBMedia, LLC (01/2023-04/2025)

Senior Software Engineer

Primary Tech Skills: *Python, Airflow, Scala, SQL (Snowflake, Postgres), Databricks, AWS, PHP, git, jenkins, kubernetes, helm*

- Design, develop, test, maintain, and operate critical software systems for a 24/7 operation processing millions of records
- Monitor production operation of both production services and CI/CD infrastructure
- Provide company wide technical training on communication and software development

EveryDay Labs (01/2022-05/2023)

Principal Data Engineer, Tech Lead, and Senior Knowledge Manager

Primary Tech Skills: *Python, SQL (Postgres), Docker, AWS, Unix, AWS, git*

- Serve as technical lead for the data analysis and engineering team driving improvements in school attendance rates through behavioral science
- Mentor and grow data engineers in production software engineering techniques
- Design, develop, and deploy the program analysis and efficacy reporting product with the data science department

Research Innovations, Inc. (10/2020-01/2022)

Production Operations Engineering Manager and Senior Knowledge Manager

Primary Tech Skills: *Anisble, Puppet, Docker, Python, Unix, git, Jira, Confluence*

- Manage and serve as technical lead for the production operations team responsible for all deployments, monitoring, and product specific automation
- Perform information assurance management to ensure continued authority to operate on multiple networks, including SIPRNet
- Drove team formation and transition of duties from disparate sources



Research Innovations, Inc. (11/2016-10/2020)

Senior Knowledge Manager

Primary Tech Skills: *Python, Jira, Confluence, Google Workspace, Unix, git*

- Develop processes and tools to ensure scalable technical and operational growth of both the knowledge management platform and department personnel
- Drive knowledge growth of software development, documentation, training, and general systems architecture
- Manage supporting information system configurations

Opower (04/2016-11/2016)

Senior Client Support Engineer and Tech Lead

Primary Tech Skills: *Python, SQL (MySQL), Java, Hadoop, Unix, Salesforce, Jira, Confluence, git*

- Senior technical lead for a team of 12 driving issue resolution and technical growth
- Lead integration of Operations Engineers with the Tier 3 Client Support team, including developing, managing, and administering cross-training
- Resolve all critical production issues for over 100 domestic and international clients across all products
- Independently develop, implement, test, and deploy corrective actions within hours, either personally or by assembling and managing ad-hoc cross-company teams

- Act as a subject matter expert across all products for the entire company
- Consult on new product architecture to identify critical areas for improvement
- Develop and release cross-company process improvement tools and workflows

Opower (10/2015-03/2016)

Senior Technical Writer

Primary Tech Skills: *Python, SQL (MySQL), Unix, Jira, Confluence, git*

- Develop software to automate knowledge management processes
- Document standard operating procedures
- Perform process inventory and organization
- Create and present training on knowledge management skills and techniques

Opower (01/2015-09/2015)

Site Reliability Software Engineer

Primary Tech Skills: *Java, SQL (MySQL), Python, Unix, Jira, Confluence, git*

- Design a unified set of Service Level Agreements for all Opower products
- Incorporate requirements from legal and multiple product teams
- Implement measurements and develop software to perform reporting and issue investigation

Opower (01/2013-01/2015)

Senior Client Support Engineer and Tech Lead

Primary Tech Skills: *Python, SQL (MySQL), Java, Hadoop, Unix, Salesforce, Jira, Confluence, git*

- Resolve all critical production issues for over 75 domestic and international clients across all products
- Independently develop, implement, test, and deploy corrective actions within hours, either personally or by assembling and managing ad-hoc cross-company teams
- Develop, track, and implement preventative actions for these issues
- Serve as a subject matter expert across all company products
- Consult on new product architecture and identify critical areas for improvement
- Develop cross-company process improvement tools and workflows
- Develop, manage, and administer technical training for all new hires
- Recognized for excellence in training



Opower (05/2010-01/2013)

Senior Professional Services Engineer

Primary Tech Skills: *Python, SQL (MySQL), Java, Hadoop, Unix, Jira, Confluence, subversion, git*

- Directly manage client utility company technical interactions
- Lead, plan, and execute the ingest of millions of records of utility company customer usage data
- Develop custom extract, transform, and load (ETL) software enhancements for each client
- Perform application integration and configuration for delivery of home energy reports and online web services
- Support on-going monitoring and quality assurance of data transfers and communication generation

Education

Warren Wilson College

Bachelors Degree, Computer Science and Philosophy minors, 3.68 GPA

Worked on campus for the school in both the music and computer science departments

United States Navy

Nuclear Machinist's Mate, Second Class

Operate, repair, and understand the theory behind nuclear reactors used in naval submarines for propulsion

Additional certification as an Engineering Laboratory Technician for specialized training in water chemistry and radiological controls

A recognized leader from basic training onward and marked as in the top 4% of peers

