ERIC CHARLES GRASBY

Little Rock, Arkansas | ecgrasby@icloud.com | 501.837.9144

LinkedIn: https://linkedin.com/in/echarlesgrasby | GitHub: https://github.com/echarlesgrasby

Summary

I am a team-oriented developer and analyst with over 10 years of experience across several industries and problem domains. My programming expertise has come from working in Agile development teams, and ranges across multiple layers of the modern application stack, including back-end development, user interface development, cloud infrastructure, and custom data processing code. I am open to both remote work and relocation opportunities.

Technical Skills

- **Programming Languages**: Java, Python, C#, Scala, Golang, SAS
- **Frameworks**: React.js, Vue.js, Spring Boot
- **Other Languages**: Linux Shell (bash, sh, ksh), Microsoft PowerShell, Terraform (HCL), SQL (T-SQL, PL/SQL)
- **Platforms**: Kubernetes (AKS, Rancher), Amazon Web Services (AWS), Google Cloud Platform (GCP), Docker
- **Databases**: Microsoft SQL Server, Netezza, AWS RedShift, AWS RDS MySQL
- **Code Management**: Git (BitBucket), SVN, CI/CD (Jenkins, AWS CodeBuild)
- **ETL Development**: Apache Spark, Informatica, SSIS

Experience

Senior Software Engineer, Southwest Power Pool (SPP) – Little Rock, AR   May 2020 – May 2021, January 2022 - Present

- Worked as a rotational developer across several cross-functional teams within SPP's IT organization, including: engineering application development, site reliability support, and our organization's energy market monitoring (MMU) unit.
- Led the development of the Engineering Platform project at SPP, a Kubernetes-based web application that spawns user-defined processes to run on the Argo Workflows platform (hosted at SPP). This granted our engineering division (90+ electrical engineers) the ability to develop custom workflows to process electrical engineering studies.
- Led the effort to develop a comprehensive user manual to document the features and functionality of the application.
- Designed, developed, deployed, and supported web applications in React.js and Java/Spring Boot to process engineering study data for SPP's engineering planning organization.
- Developed and supported ETL processing (Informatica & SAS) for loading real-time energy data to various operational databases.
- Developed and supported SAS programs used in energy market surveillance and analytics across a large base of energy market participants.
- Supported a highly-available and distributed process historian system across a fleet of enterprise servers.
- Participated in 24x7 on-call duties, as assigned.

DevOps Engineer, First Orion Corporation – North Little Rock, AR   June 2021 – December 2021

- Worked with a team of DevOps Engineers to manage an infrastructural codebase for the AWS platform using Hashicorp Terraform (HCL).
- Developed and deployed data processing flows using Scala and Apache Spark that supported a high-volume scam call detection framework.
- Refactored existing Kubernetes Helm charts into Terraform to streamline deployments for an API gateway.
- Participated in providing support for a Tier-2 on-call rotation for Data Operations.

- Documented troubleshooting procedures and the onboarding process (for new developers).
- Pulled the team together, on several occasions, onto troubleshooting bridge calls to resolve platform issues (outages, job failures, etc.)
- Developed operational run-books for First Orion's data products at the request of an enterprise client.
- Assisted with efforts to enable First Orion to acquire their corporate ISO certification in Q4 2021

Database Developer / Analyst, Merkle Inc. – Little Rock, AR   June 2017 - May 2020
- Worked as an individual contributor on a development team that maintained both a large foundational marketing platform and a web-services solution for a Fortune 500 financial company.
- Co-developed a data warehousing process in SQL Server to consolidate and match 0.5 billion back-logged mailing records against a Merkle product database.
- Developed and maintained custom ETL solutions to facilitate the processing of client mailing campaigns that constituted millions of production records per week.
- Performed client-facing responsibilities (requirements modeling) to support customer feature requests.
- Participated in 24x7 on-call duties, as assigned.

Due Diligence Intern, Fund For Arkansas' Future, LLC – Little Rock, AR   September 2015 - May 2017
- During my undergraduate degree, I worked as an analyst intern for the Executive Director of a venture capital (angel investor) fund.
- Performed due diligence on prospective investments into early stage, technology-focused, startup companies that based themselves in the State of Arkansas.

Education

University of Arkansas at Little Rock (UALR)   ualr.edu/informationscience

Doctor of Philosophy (Ph.D.), Computer and Information Sciences	August 2024 - Present
Masters of Science, Information Quality	August 2018 - May 2020
Bachelor of Science, Information Science	August 2014 - May 2018

A System to Support Monitoring and Surveillance Operations Within a Wholesale Electricity Market

This is my dissertation that is currently still under development. It is expected to be finalized in 2026.
`https://github.com/echarlesgrasby/dissertation`

Academic Service

Workshop Program Committee Member — Invited by Dr. Wei Dai (Purdue)   July 2025 - November 2025
Applied Artificial Intelligence for Public Safety and Security Workshop on Big Data,
2025 *(AI-PublicSecurity-2025)*

I served as a member on the paper review committee for this workshop. AI-PublicSecurity-2025 was held in conjunction with the 2025 IEEE International Conference on Big Data, Macau

Awards

Eagle Scout, BSA Troop 770   2009