



Richard Elphinstone

 elphinstone12@yahoo.com

 724-513-9800

 [linkedin.com/in/richard-elphinstone](https://www.linkedin.com/in/richard-elphinstone)

 <https://elphinstonef.github.io/Portfolio/>

Summary

Results-driven professional with a diverse background in software engineering, mechanical maintenance, and leadership roles. Skilled in conducting detailed inspections and maintenance tasks with meticulous attention to detail. Demonstrates a strong foundation in software development, Jenkins Pipeline scripting, and data analysis. Holds a Bachelor of Arts in General Studies with a concentration in Programming, complemented by a Data Analytics certificate from Google, specializing in SQL, R, and data analysis tasks. A proactive and motivated professional ready to excel in roles that leverage technical expertise, problem-solving abilities, and a strong work ethic.

Experience

Associate Software Engineer

PNC

Oct 2022 - Present (10 months)

- Development of Jenkins Pipeline and tooling using Groovy and Python scripting language.
- Development of policy as code to enforce security for resources in cloud accounts.
- Development of data analysis reporting for cloud security posture through python scripts and Kusto Query Language (KQL).
- Working in a SAFe Agile workflow environment, complex system troubleshooting and design.
- Skills: DevOps, Programming, Analytical Thinking, Troubleshooting, Agile Methodologies, Software Development

Journeyman - Stationary Engineer

UPMC

Nov 2019 - Oct 2022 (3 years)

- Electrical, Plumbing, Carpentry, Landscaping, Mechanical, and Electronic Repair.
- Critical thinking and problem solving of a constantly evolving environment.
- Analysis of HVAC Metasys system to create trends to report to leadership.
- Skills: Project Management, Analytical Skills, Engaging with Contracting Services, Customer Service, Excel, Word, Teams

Locomotive Diesel Mechanic

Norfolk Southern

Jul 2011 - May 2022 (10 years 11 months)

- Heavy Mechanical troubleshooting, repair, and preventive maintenance work of complex systems.
- Conceptualized new traction motor installation area to include efficient workflow and tool prioritization
- Skills: Mechanical, Electrical, and Plumbing (MEP), Troubleshooting, Problem Solving, Mechanical Inspection, Locomotive

** Experience Continued on next page.



6154 Airframes and Hydraulics - Reserves

United States Marine Corps

Jul 2006 - Jul 2012 (6 years 1 month)

- Airframe and Hydraulic inspection and maintenance of UH/AH-1 helicopters.
- Project Management and Leadership roles.
- Led multiple mission-oriented project teams of 5 or more.
- Maintained active security clearance
- Skills: Communication, Troubleshooting, Workflow, Teamwork, Leadership, Project Management.

Education



Southern New Hampshire University

Bachelor of Arts - BA, General Studies with a concentration in Coding

Feb 2021 - Nov 2022

Completing a bachelor's degree with a concentration in Programming

Java | Python | C++ | SQL | SDLC - Agile | Artificial Intelligence | Technology and Society



Community College of Beaver County

Associate's degree, General Studies

2007 - 2010

Aviation | Pilot Training | Technology | Weather Sciences | Physics | Astronomy | Biology | Healthcare



Ambridge Area High School

High School Diploma, High School/Secondary Diplomas and Certificates

2002 - 2006

Licenses & Certifications



Google IT Support Certificate - Coursera



Google Data Analytics Certificate - Coursera

Skills

DevOps • Python (Programming Language) • Agile Methodologies • Data Analytics • Data Cleaning • Aircraft Maintenance • Customer Service • Public Speaking • Teamwork • Software Development

Honors & Awards



Meritorious Mast - United States Marine Corps

Apr 2007

Awarded for superior conduct of achieving the Highest GPA and Physical Fitness Score while serving as the role of Class Leader during the H-1 Airframes System Organizational Maintenance Course