J. Morgan Lieberthal

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Software developer with a background in finance, a certificate in Cybersecurity from the University of Denver, and working towards a CompTIA Security+ certification. An enthusiastic, detail-oriented effective problem solver who brings technical aptitude, a deep understanding of business process, and a healthy appetite for test-driven development. DevOps, security, and open-source enthusiast who is motivated by innovation, tangible results, and knowledge sharing to ensure compliance with industry-recognized best practices.

**SKILLS**

Programming Languages: Ruby, JavaScript ES6+ (Typescript), Swift, Python

Operating Systems: Linux (Debian/Ubuntu, CentOS, Kali), macOS, some experience with Windows

Tools: AWS, Heroku, Splunk, Kibana, Elasticsearch, Metasploit, Shell Scripting, Wireshark

**CERTIFICATIONS**

Splunk Fundamentals 1

AWS Security Fundamentals

Working toward CompTIA Security+

**EXPERIENCE**

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| Freelance Developer | Denver, CO |
| *Full-Stack Developer* | June 2015 – Present |

* Interface with clients to determine the needs and scope of their projects
* Design and develop full-stack web applications using a variety of technologies and tools, particularly Ruby on Rails and Express.js with Node.js
* Create robust continuous integration pipelines using Heroku, Travis CI, and AWS
* Deploy applications to a hosting provider of the client’s choosing (typically AWS)
* Automate provisioning of infrastructure and applications using Chef or Ansible
* Implement monitoring solutions for applications to ensure high availability and robust security

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| SDR Ventures | Denver, CO |
| *Senior Analyst, Investment Banking* | July 2014 – December 2014 |
| *Analyst, Investment Banking* | October 2012 – July 2014 |

* Broad experience with M&A transactions, private placement, and debt & equity offerings in industries including energy (oil & gas), healthcare, manufacturing (sporting goods & pet products), and third-party logistics
* Initiated implementation of a robust CRM solution to track transactions and potential clients
* Played integral role in transaction closing, including management of due diligence process, and negotiations with buyers’ representatives and legal counsel
* Created client-specific dynamic financial models analyzing diverse transaction scenarios and variables including refinancing, mergers & acquisition and debt & equity capital raises
* Interfaced with client and analyst team in preparing marketing materials and offering memoranda detailing company operations, fundamentals, segments, trends and risks

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| Kayne Anderson Private Investors | Los Angeles, CA |
| *Analyst Intern, Private Equity* | Summer 2009 |

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| Kayne Anderson Capital Advisors – Energy Group | Los Angeles, CA |
| *Analyst Intern, Hedge Fund* | Summer 2005, 2006, 2007 |

**PROJECTS**

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| Penetration Testing and Response | *<https://github.com/baberthal/Red-vs-Blue-Project>* |

* Summary: Performed penetration test on a corporate network, analyzed logs to characterize the attack, and proposed various hardening measures to be implemented
* Role: Sole Author
* Tools: Kali Linux and associated tools (e.g., john, dirb, hydra, nmap), Kibana, Elasticsearch

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| Automated ELK Stack Deployment | [*https://github.com/baberthal/CSBC-Elk-Stack*](https://github.com/baberthal/CSBC-Elk-Stack) |

* Summary: Designed and configured an automated deployment of the ELK stack (i.e., Elasticsearch, Kibana, and Logstash), and deployed it to Azure
* Role: Sole Author
* Tools: Docker, Ansible, Elasticsearch, Kibana, Logstash, Azure

**EDUCATION**

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| University of Denver | Denver, CO |
| *Certificate – Cybersecurity* | March 2021 |
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| University of Denver; Daniels College of Business | Denver**, CO** |
| *Bachelor of Science – Business Administration (Finance Major)* | August 2011 |