

# J. Morgan Lieberthal

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GitHub: [@babertal](https://github.com/baberthal) || LinkedIn: [/jmorganlieberthal](https://www.linkedin.com/in/jmorganlieberthal)

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

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**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

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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

### 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

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

Summer 2009

**Kayne Anderson Capital Advisors – Energy Group***Analyst Intern, Hedge Fund***Los Angeles, CA**

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

**Automated ELK Stack Deployment**<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***Certificate – Cybersecurity***Denver, CO**

March 2021

**University of Denver; Daniels College of Business***Bachelor of Science – Business Administration (Finance Major)***Denver, CO**

August 2011