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| **Cole Challand**  Software Engineer / Web Developer | | |
| **OBJECTIVE**  My objective is to secure a position within a company where I can utilize my 8 years of software engineering experience and expertise in Javascript, Ruby, Python, C++.  **EXPERIENCE**  **ChalkCoin**  Software Engineer | 2020 – 2021   * Created the blockchain with Javascript to store transactions of sport bets * Created decentralized database with an algorithm to add and keep track of multiple network nodes * Express.js server to orchestrate the action and interact with the blockchain and network nodes * Created Node P2P (Peer to Peer) network to listen for new blocks broadcast and also broadcasting new blocks and updating the chain * Utilized ReactJS framework to create the user interface as the frontend * Real-time odds and scores from major sportsbooks are updated each minute from an API * User authentication uses bcrypt for hashing functions with salt to protect the user’s passwords from getting leaked   **Evolve Security - Chicago, IL**  Software Engineer | Feb 2019 - 2020   * Operated Unix/Linux systems through shell scripting, editing code in VIM, and CLI/terminal/bash * Created/Ran/Maintained Python scripts for automation purposes and streamlining workflow * Performed foundational networking implementation and port forwarding with Packet Tracer * Operated AWS (Amazon Web Services) servers and instances and practiced integrating cloud security solutions as well as monitoring and alerting purposes with Terraform (IaaS). * SIEM tools provided through Splunk to run searches, analyze and monitor data trafficking * Identified attacking IP addresses and ports within a honeypot and detected any abnormal behavior or traffic on the servers—analyzed data and occurrences via auditing and logs * Ran vulnerability and exposure scans via Nessus on client networks and searched for holes behind the firewall within the client architecture to compile and present in reports * Setting up penetration testing labs in virtual environments within VMWare on a Windows host machine * Executed SQL injection to alter or expose Query vulnerabilities and access databases in a test safe environment (this allowed us to develop better security practices to protect against threats   **Actualize**  Full-Stack Developer | Chicago, IL | Nov 2017 - 2018   * Created a CRM (Customer Relation Manager) using full-stack Ruby on Rails that keeps track of conversations with potential customers * Created text message and phone call automation with the Twilio API and stored the conversations with potential customers to the database * Managed TDD (Test-Driven Development) with RSpec and Factory Bot on the backend of the app * Synced Travis CI with the project on Github to make sure all code is always tested before merging   **EDUCATION**  **Evolve Security Academy**  *Cybersecurity*  2/11/2019 - 6/8/2019  Immersive, hands-on training in cybersecurity covering threat intelligence, detection,  system hardening, cryptography, offensive security, incident response, forensics, traffic analysis, log management, social engineering, governance, compliance and risk management. Using well-known industry frameworks and tools such as NIST frameworks, OSINT, IDS/IPS systems, Kali Linux, Wireshark, NMAP, Snort, Splunk, Burp Suite, and Metasploit.  **University of Colorado, Boulder**  *Electrical Engineering/Computer Science*  2015 – 2016  **University of Denver**  *Computer Engineering/Computer Science*  2011 – 2012 |  | **PERSONAL INFO**  Boca Raton, FL  [cchalland@protonmail.com](mailto:cchalland@protonmail.com)  **cchalland.com**  **linkedin.com**/in/cchalland  **github.com**/cchalland  **HARD SKILLS**  Coding  Debugging  Programming  Object oriented programming  CLI  **SOFT SKILLS**  Collaboration  Positive attitude  Good communication skills  Problem solving skills  Critical thinking  **LANGUAGES**  Python  C++  JavaScript  Ruby  Rails  HTML  CSS  Git  VueJS  ReactJS  SQL  PostgreSQL |