

Ian Stanton

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Engineering professional with experience in the health care technology industry. Computer Science graduate with a passion for understanding the mechanics of hardware and software on a detailed level. Desire to apply my skills and experiences to the design, development and creation of meaningful products that directly affect the lives of others in a positive manner.

EXPERIENCE

UNITEDHEALTH GROUP | OPTUM | MINNEAPOLIS, MN

Data Scientist II | January 2017 - Present

- Project Involvement
 - Served as technical lead in automating a manual process for reviewing health insurance claims.
 - Performed data extraction and transformation for machine learning projects, including models used to impute a medical diagnosis based on a patient's pharmacy data.
 - Configured and utilized entity resolution software to identify insurance fraud and enterprise-wide fraudulent activity.
 - Contributed to the design and implementation of Fossology Open Source License Compliance scanner. Used as a standalone Git repository scanner or integrated as a Jenkins pipeline procedure.
- Infrastructure
 - Designed, implemented and maintained core components of the data science team's infrastructure.
 - Built data pipeline monitoring and scheduling platform using Apache Airflow.
 - Built Linux server & database monitoring system using Grafana.
 - Provided a secure, containerized data science work environment utilizing Docker, Jupyter, Mesos and Marathon.
 - Created and maintained encryption key management server using Docker, HashiCorp Vault and OpenShift.
 - Configured application & server log pipeline using Elastic Stack (Filebeat, Logstash, Elasticsearch, Kibana)
- Microservices
 - Developed process using Docker and OpenShift for deploying machine learning models for customer use.
- Process Improvement
 - Defined and implemented proper coding and version control standards for projects.
 - Promoted regular code reviews to ensure these standards were being followed.

Endpoint Sensitive Data Protection | June 2016 – January 2017

- Drove enterprise wide process to scan desktops for sensitive data (PHI/PII/PCI) using Symantec Data Loss Prevention tool.
- Developed process for testing and tuning Symantec's Data Loss Prevention tool.
- Ensured that the services, methods, and requirements of the Endpoint Sensitive Data Protection (ESDP) program were well documented, communicated, and understood by our stakeholders and partners.

Intern - Cyber Forensic Investigations | May 2015 - August 2015

- Improved compatibility of EnScript used to scan devices within the company.
- Led testing and evaluation of third party forensic tool.
- Performed research and provided insight on big data platforms for Security Big Data Lake.

EDUCATION

UNIVERSITY OF MINNESOTA | BACHELOR OF COMPUTER SCIENCE

May 2016 | Minneapolis, MN

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Python • C/C++ • Bash
SQL • Java • R
Markdown • \LaTeX • OCaml

SOFTWARE & TOOLS

Linux • Docker • OpenShift
Elastic Stack • Apache Airflow
Relational Database Management Systems
Git • Mesos • Spark • Hadoop
Amazon Web Services • Microsoft Azure
Splunk • Sqoop