
Brandon T. Ruggles

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Profile

Software Engineer with years of experience delivering full stack applications, automation, and cost savings at scale. Responsibilities have included leading engineering teams through delegation of tasks, conducting tech talks, and working across teams in fast-paced environments. Focus areas include data security, application observability, and process automation.

Experience

Senior Software Engineer, LinkedIn, New York, NY — 2022–Present

- Served as lead UI engineer for an internal React app to help other engineering teams triage active incidents based on observability data. This app has reduced investigation time from hours to minutes on many occasions.
- Spearheaded efforts to provide automated root-cause analysis of incidents from client-side observability data. Created a KQL dashboard and designed a near-realtime pipeline which succeeded in providing root cause for multiple incidents within minutes.
- Developed and maintained backend APIs (Python) and libraries (JavaScript, Java, and Objective-C) centered around producing observability metrics and providing automated root-cause analysis.

Enterprise Systems Engineer, Meta/Facebook, New York, NY — 2020-2022

- As the first hire on the Data Security Engineering team, created the team's roadmap and lead the overall team direction, including creation/delegation of tasks as new team members onboarded.
- Designed and implemented a pipeline in Python for efficiently cataloging file metadata for hundreds of millions of internal files, from a variety of sources. Enabled auditing of file permissions to ensure security compliance.
- Authored a pipeline in Python/Hack to store labeled owners of internal files across several cloud storage platforms in a central location. Helped ensure files remained security compliant during employee off-boarding.
- Automated parts of Facebook's Amber Alert pipeline, saving crucial time for alerts to appear on news feed.

Systems Developer & Analyst, Prudential Financial, Roseland, NJ — 2016-2020

- Implemented a pipeline for analyzing trending Hadoop application metadata on HDFS using Hive, Impala, Python, and Oozie. Improved reporting turnaround time, saving thousands of dollars in monthly compute cost.
- Created an internal tool using React to filter and export Sentry database information, allowing teams to audit their own project permissions. Reduced manual toil for Hadoop admins.

Skills

Programming Languages: Python, JavaScript, Java. Prior experience in C/C++, Go, Objective-C, Kotlin, PHP

Tools/Frameworks: HTML/CSS, NodeJS, React, Git, Vite, Oozie, Flask, GraphQL, Thrift

Databases: MySQL, MongoDB, Kusto, Hive, Impala

Education

New Jersey Institute of Technology, Newark, NJ — B.S. Computer Science, Minor in Applied Math, 2017
