

THOMAS FORD

AI ENGINEER

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Professional Summary

AI Engineer with **10+ years** of experience building scalable cloud infrastructure, automating deployments, and developing reliable backend systems. Skilled in Kubernetes, GCP, Bitbucket, Jira, Python, and Java, with a strong track record of supporting intelligent, data-driven platforms like OPTRIX and contributing to next-gen cybersecurity products at RevBits. Adept at improving delivery pipelines, optimizing system performance, and collaborating across teams to deliver secure, high-quality software. Known for clear communication, fast problem-solving, and driving efficiency in fast-paced, complex environments.

Top Skills

Python, R, SQL, Software Engineering, Model Deployment, API Integration, Machine Learning, Supervised Learning, Unsupervised Learning, Regression, Classification, Feature Engineering, Data Preprocessing, Model Evaluation, Model Optimization, MLOps, Docker, Kubernetes, Deep Learning, TensorFlow, PyTorch, Natural Language Processing (NLP), Computer Vision, Image Classification, Recommendation Systems, Predictive Analytics, Cloud Platforms (AWS, GCP), Data Pipelines, Workflow Automation, AI System Integration, Team Leadership, Project Management, Cross-Functional Collaboration, AI Strategy, Problem Solving, Analytical Thinking

Experience

AI Engineer | Vieaura Inc., Remote

04/2020 to 11/2025

- Built CI/CD pipelines in Bitbucket to support OPTRIX's Operational Intelligence, ensuring reliable, repeatable deployments.
- Managed scalable Kubernetes clusters on GCP, delivering high availability for OPTRIX's real-time spatial awareness features.
- Set up monitoring, logging, and automated deployments on GCP to support OPTRIX's adaptive Intelligent Guidance system.
- Improved workflows by refining Jira processes, automating infrastructure tasks, and standardizing environments for the OPTRIX no-code platform.

AI/ML Engineer | RevBits LLC, Remote

05/2018 to 03/2020

- Developed security product features in Python and Java for platforms including RevBits CIP/XDR, Email Security, EDR, and Zero Trust.
- Built and optimized backend components to improve threat detection, access control, and incident response.
- Translated penetration-testing and vulnerability findings into product enhancements.
- Performed code reviews, debugging, and testing to ensure secure and reliable software.

ML Engineer | RevBits LLC, Remote

05/2018 to 03/2020

- Developed security product features in Python and Java for platforms including RevBits CIP/XDR, Email Security, EDR, and Zero Trust.
- Built and optimized backend components to improve threat detection, access control, and incident response.
- Translated penetration-testing and vulnerability findings into product enhancements.
- Performed code reviews, debugging, and testing to ensure secure and reliable software.

Junior ML Engineer | EBQ, Austin, TX

04/2017 to 05/2018

- Developed backend systems using Java and Python to support core website functionality and internal business workflows.
- Designed and implemented RESTful APIs and database structures for dynamic content and efficient data processing.
- Integrated backend services with internal tools and systems to improve operational efficiency and data flow.
- Collaborated with designers and stakeholders to deliver new features, resolve issues, and optimize system performance.

Education

09/2011 to 05/2015

B.Eng.: Computer Science | Texas A&M University

Certifications

- Google Professional Machine Learning Engineer
- DeepLearning.AI TensorFlow Developer Certificate