

# 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.

### Work History:

**AI Engineer**, 04/2020 to 11/2025

**Vieaura Inc.** – Alpharetta, GA

- 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**, 05/2018 to 03/2020

**RevBits LLC** – Mineola, NY

- 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**, 05/2018 to 03/2020

**RevBits LLC** – Mineola, NY

- 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**, 04/2017 to 05/2018

**EBQ** – Austin, TX

- 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.

## **Skills:**

### **Technical & Programming Skills (Primary)**

Python, R, SQL, Software Engineering, Model Deployment, API Integration

### **Machine Learning & Data Science Skills**

Machine Learning, Supervised Learning, Unsupervised Learning, Regression, Classification, Feature Engineering, Data Preprocessing, Model Evaluation, Model Optimization, MLOps, Docker, Kubernetes

### **Deep Learning & AI Specialization**

Deep Learning, TensorFlow, PyTorch, Natural Language Processing (NLP), Computer Vision, Image Classification, Recommendation Systems, Predictive Analytics

### **Cloud & Production Tools**

Cloud Platforms (AWS, GCP), Data Pipelines, Workflow Automation, AI System Integration

### **Leadership & Collaboration**

Team Leadership, Project Management, Cross-Functional Collaboration, AI Strategy

### **Soft Skills / Problem Solving**

Problem Solving, Analytical Thinking

## **Education:**

09/2011 to 05/2015 **B.Eng.:** Computer Science | Texas A&M University

## **Certifications:**

- HashiCorp Terraform Associate (003), 12/2025
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