

# MATTHEW OSTROWSKI

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## PROFESSIONAL SUMMARY

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Software Development Engineer with 6 years of experience architecting and delivering scalable cloud-based systems at enterprise scale. Proven track record at Amazon building high-impact services processing thousands of daily requests across 67 countries. Organization-wide hackathon winner leveraging AI to automate workflows. Skilled in AWS infrastructure, full-stack development, and leading cross-functional teams in agile environments. Business-level Japanese proficiency (JLPT N2).

## PROFESSIONAL EXPERIENCE

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**Amazon** | Boston, MA

*Software Development Engineer II* Dec 2021 – Jan 2025

- Led 3 engineers to architect API Gateway and Lambda middleware (Kotlin, Python) bridging new and legacy onboarding systems, enabling phased regional rollout with automatic rollback for ~1–2K new candidates ingested weekly out of ~7K corporate hires
- Won first place in an organization-wide hackathon by building an AI-powered ticket triage system that categorized and auto-responded to support requests using AWS Bedrock, Lambda, SNS, SQS, DynamoDB, React, and TypeScript
- Led an 8-person cross-functional team as Scrum Master to ship a personal information management portal on AtoZ serving 1.5M employees, ensuring compliance with laws and regulations across 67 countries
- Designed a DynamoDB single-table data model with an OpenSearch analytics pipeline for long-term storage, supporting an onboarding system tracking ~15,000 concurrent candidates across 13 contingencies
- Developed a notification engine using DynamoDB, Lambda, and SNS that calculated and dispatched 80,000 reminder alerts within 6 months to employees with incomplete life events
- Engineered an automated document verification pipeline processing 2,000+ requests over 6 months at 90% accuracy, enforcing data privacy regulations across 67 countries

**The Cape Cod Five Cents Savings Bank** | Hyannis, MA

*Software Developer I* Apr 2019 – Dec 2021

- Engineered a full CI/CD pipeline from development to production with automated regression testing using GitLab Runner, xUnit, and bUnit, reducing deployment risk and accelerating release cycles
- Saved over \$2,500 annually by designing multiple C# automation programs to replace licensed software, including a real-time ATM status monitoring tool running at one-minute intervals

## TECHNICAL SKILLS

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**Cloud & Infrastructure:** AWS (Bedrock, API Gateway, Lambda, DynamoDB, SNS, SQS, S3, Athena, QuickSight, Glue, OpenSearch), CI/CD Pipelines

**Languages:** Kotlin, Python, Java, C#, SQL, TypeScript, JavaScript, HTML, CSS

**Frameworks & Tools:** AWS CDK/SDK, React, Git, GitLab, GitLab Runner

**Methodologies:** Agile/Scrum, Waterfall, Secure Development Practices, ETL Design

## EDUCATION

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**Japanese Language School** | Tokyo, Japan

*Intensive Japanese Language Program* Apr 2025 – Present

Full-time study toward advanced Japanese proficiency. Holder of JLPT N2 certification.

**University of California, Davis**

*Bachelor of Science in Computer Science* March 2019

GPA: 3.52 | Dean's List: Spring 2016, Fall 2017