

Arielle Damesghi

Key Skills

- Programming Languages: Java, TypeScript, JavaScript
 - Cloud Technologies: Azure
 - Software Development Life Cycle (SDLC)
 - Agile Methodologies
 - SQL & Relational Databases
 - DevOps & CI/CD
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Experience

Software Developer - Revenue Management and Forecasting

American Airlines

Dallas, TX

September 2024 - Present

- **Design** and **develop** distributed software systems that optimize revenue management and forecasting for the airline industry.
- **Collaborate** with cross-functional teams to **translate** business requirements into scalable, high-performance solutions.
- **Implement** advanced algorithms and predictive models to **enhance** revenue forecasting accuracy and dynamic pricing strategies.
- **Integrate** real-time data feeds and historical performance metrics into forecasting models, **empowering** data-driven decision-making.
- **Apply** security best practices and **optimize** system performance during development, testing, and deployment.
- **Conduct** rigorous unit testing, **debug** issues, and **resolve** performance bottlenecks to ensure system reliability.
- **Create** and **maintain** comprehensive technical documentation and user manuals to **support** stakeholders.
- **Monitor** system health and performance, **troubleshoot** issues, and **refine** software solutions to continuously **improve** forecasting models and revenue optimization capabilities.
- **Lead** code reviews to **ensure** adherence to coding standards, while **driving** the improvement of development practices.

Software Developer – Customer Technology

American Airlines

Dallas, TX

May 2022 – September 2024

Associate Software Developer – Customer Technology

American Airlines

Dallas, TX

March 2021 – May 2022

Education

Bachelor's in Social Thought & Political Economy

University of Massachusetts Amherst

2017

Technical Proficiencies

- **Languages:** Java, TypeScript, JavaScript, SQL
- **Technologies, Frameworks, & Libraries:** Spring, Spring Boot, Node.JS, React, Angular, JSON, XML
- **Tools:** Git, Docker, Jenkins, Gradle, Maven, GitHub Actions, Azure Kubernetes Service (AKS)
- **Cloud:** Azure, IBM
- **Databases:** PostgreSQL, IBM Cloudant
- **Monitoring:** Dynatrace, Mezmo
- **Platforms:** Linux/Unix