

Daniel Astudillo

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SUMMARY

Accomplished software engineer with a proven track record in full-stack development, API performance optimization, and legacy system migration. Proficient in .NET Core 6+, Spring Boot, Next.js, Node.js, TypeScript, and React.

EXPERIENCE

Software Engineer | Visa Inc. | Miami, FL (Hybrid) | September 2022 – February 2025

- Contributed towards delivery of the Visa Performance Processing Monitor (VPPM), an online tool used by several banks across Latin America to monitor Visa Debit/Credit transaction metrics.
- Learned .NET development to migrate critical Visa Card Eligibility Services (VCES) legacy components to .NET Core 6.0, reducing API response times by 10-15% on average (impacting 20M+ requests per month) and addressing 10+ years of technical debt.
- Led development initiative to introduce ActiveMQ to VCES via an AMQPS message producer using the Amqp.Net library.
- Developed a Docker image running Apache ActiveMQ Artemis v2.29.0 on CentOS 7 for Apple Silicon and Intel architectures.
- Learned Spring Boot and Batch to support LAC regional priorities through development of critical components for the Visa Digital Benefits Platform (VDBP).
- Developed a full stack web application from scratch using Next.js, TypeScript, and React to replace the existing Visa Click to Pay destination site, enabling 10M+ registered users to safely manage payment credential information.

Software Engineer Intern | Wayfair Inc. | Boston, MA (Hybrid) | June 2022 – August 2022

- Collaborated with the Sales 360 Engineering-Distribution team to address critical functionality gaps and ensure seamless deployment of features.
- Leveraged the unittest python framework to write comprehensive unit tests and achieve 100% code coverage of critical backend APIs.
- Implemented novel raw data transformations to optimize input features for existing sales recommendation engines, improving prediction accuracy by 20% on average.
- Upgraded the Sales Phone Call Routing Service to leverage an internal, high performance Crucible routing client, accelerating connection times between sales agents and customers by 30%.

Software Developer Intern | RestEasy Technologies, Inc. | Remote | September 2020 – July 2021

- Learned about MERN stack development and deployment of production-grade web applications.
- Deployed AWS EC2 instance with NGINX facilitating simultaneous backend and frontend delivery on unified ports.
- Enhanced platform's media management by incorporating AWS S3, facilitating a 20% reduction in upload processing times.
- Implemented payment processing system using Stripe Payments API, facilitating fundraising capabilities for 250+ registered users.
- Enhanced backend performance using MongoDB Bulk operations, streamlining database interactions to reduce API latency by 15%.

EDUCATION

Bachelor of Arts in Computer Science and Mathematics | Williams College | Williamstown, MA | 2022

SKILLS

Programming: Proficient in Java, Python, JavaScript (Node.js, React.js, Next.js, Stripe.js, Express.js), C#.

Technologies: .NET Framework/.NET Core, Spring Boot, Spring Batch, REST, Git DVCS, Microsoft SQL Server, Docker, Turborepo.

Languages: Bilingual in English and Spanish.