

# Jordan Ali Hilado

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## EXPERIENCE

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### Microsoft

Software Engineer

San Francisco, CA

Jun 2024 - Present

- Scaled globally distributed ingestion systems for Azure Resource Graph (ARG) to handle 7B+ resource events daily by driving Event Hub scale-outs and VMSS autoscaling across 41 service clusters in 5 regions each, doubling throughput and reducing production outages by 40%
- Enhanced ingestion reliability by shipping newline-delimited JSON processing, improved blob deserialization, and deterministic fallback logic for dynamic payloads in C#/.NET microservices on Service Fabric, enabling ARG to handle rapidly growing customer scope and evolving compliance requirements
- Strengthened data durability and isolation by implementing EU data boundary migration for over 20 enterprise tenants and 300+ Azure Event Grid endpoints, ensuring data sovereignty and compliance while ensuring zero downtime
- Streamlined incident response time by automating infrastructure denylisting using Kusto/KQL and Azure Monitor, cutting mitigation times from minutes to seconds for government, F500, and internal customers

### Walt Disney Animation Studios

Software Engineer Intern

Burbank, CA

May 2023 - Aug 2023

- Built a production-scale data platform using React and FastAPI integrating the Autodesk ShotGrid REST API, enabling 100+ production managers to seamlessly manage animated shot metadata with improved accessibility, scalability, and maintainability—now powering every Disney Animation film production since 2024
- Optimized cross-system data reliability and integrity for the studio's film production pipeline by automating ingestion workflows for terabytes of data from multiple departments using Python, AWS, Snowflake, and Apache Airflow

Software Engineer Intern

May 2022 - Aug 2022

- Designed, tested, and deployed 12 hotfixes and features for internal film production and employee management tools using React, Django, GraphQL, and Cypress while improving type efficiency through a transition from JavaScript to TypeScript via Agile and CI/CD collaboration with product design teams and stakeholders
- Automated employee profile metadata synchronization using Apache Airflow, MySQL, Python, REST APIs, and Ruby on Rails, increasing cross-system sync volume and reliability within the employee records system

### Handle Delivery

Software Engineer (contract)

Remote

Mar 2023 - May 2023

- Scaled cloud infrastructure and mobile platform to serve over 13k students across 6 universities by optimizing serverless functions using TypeScript and Node.js, strengthening overall user retention and service reliability
- Supported the development of 4 internal and consumer-facing applications including iOS and Android mobile applications and real-time admin dashboard utilizing React, React Native, TypeScript, and Firebase

## TECHNICAL SKILLS

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- **Languages:** Python, JavaScript/TypeScript, C#, HTML/CSS, SQL/KQL, Java, C++, GraphQL, PowerShell, Ruby
- **Frameworks:** React, .NET, FastAPI, Express, Next.js, Django, Flask, Ruby on Rails
- **Data & Storage:** PostgreSQL, DynamoDB, Cosmos DB, Redis, MySQL, MongoDB, Firebase, SQLite
- **Software & Tools:** Azure, AWS, Git, Node.js, Service Fabric, Profiling analysis, Postman, GCP, Snowflake

## EDUCATION

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### California State University, Long Beach

B.S. Computer Science

Aug 2020 - Dec 2023

GPA: 3.80

*Affiliations:* Associated Engineering Student Body, Association for Computing Machinery, BeachHacks Organizing Committee, Computer Engineering/Science Student Advisory Board, ICPC Programming Team, The Aerospace Corporation's Dean's Leadership Academy, Engineering Honors Program, Google Developer Student Club, STEM Advantage Scholarship

## PROJECTS AND PUBLICATIONS

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### Heaptree (Website: <https://heaptree.com/>)

Jan 2025 - Present

- Heaptree's web platform and SDK enables instant, one-line of code headless VM provisioning for asynchronous code execution, testing, and more, built with React/Next.js, TypeScript, Python, and AWS (EC2, DynamoDB, Lambda)

### Comparative Study of Text-to-Image Models: A Focus on Subject-Specific Training for Improved Generation

(Publication: <https://scholarworks.calstate.edu/concern/projects/pz50h376p>)

Jan 2023 - Dec 2023

- Advised by Dr. Ju Cheol Moon at CSU Long Beach, I investigated the potential of fine-tuning text-to-image generative models to produce subject-driven content, focusing on Stable Diffusion 1.1 under Low-Rank Adaptation (LoRA)