

JOHN (JACK) BURTIS

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EDUCATION

B.S. | Jun. 2019 | Northwestern University | GPA: 3.56

- Majors: Computer Science and Radio/TV/Film

PROFESSIONAL EXPERIENCE

Software Development Engineer 2 | Amazon | Sept 2019 - Now | Promoted Mar 2021

- Designed and implemented database migration of Amazon Ads Catalog , improving Ads Catalog API latency by up to 75% and increasing API availability to 99.999%.
- Identified and designed solutions for latency and availability improvements in the Amazon Advertising Database APIs (i.e., identifying a way to both decrease data propagation time to downstream clients and decrease database connections by 50%)
- Designed server-less/event driven architectures for propagating data with 100% accuracy from newly migrated databases to legacy clients
- Collaborated with partner teams to design and develop new Advertising features, such as allowing Cross-Marketplace advertising (i.e., automatic translation of advertising keywords and localizing advertiser bids)
- Acted as Subject Matter Expert on the Ads Catalog Database APIs, being called in to solve any high-impact issues which the on-call engineers were unable to solve
- Worked as on-call engineer for Ads Database API service, responding to client feedback and working to identify and mitigate bugs and availability risks at all hours of the day and night
- Mentored and provided design feedback and coding/technical guidance to junior members of the team
- Organized team happy hours to foster a collaborative and inclusive environment

Intern | Amazon | Jun. 2018- Sept. 2018

- Leveraged cloud computer vision tools to perform automatic explicit content moderation on video ads

SKILLS

- Object-oriented programming (principally Java, with experience in Javascript, C++ and Python), developing in Unix/Linux, Cloud computing architectures, WebGL