

# Chanzo Bryan

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## SKILLS

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**Languages** Java, C, C#, .NET, Python, JavaScript/TypeScript, HTML, SQL, MongoDB, Bash/Shell script

**Tools** Unix/Linux, Node.js, React.js, Elasticsearch, Kafka, Angular, AngularJS, Spring, JAX-RS, ASP.NET, Git, Jira, Jenkins, Docker, Google Cloud Platform, Terraform

## EXPERIENCE

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### Senior Software Engineer

*July 2022 - Present*

*Netflix*

Lead the product vision and architectural strategy for my organization's activity logging and eventing ecosystems, fostering cross-functional alignment to unify core content and studio infrastructure into cohesive products that accelerate critical business workflows that underpin the launching of Netflix shows.

- Spearheaded a data-driven, domain-level initiative to architect a centralized activity logging platform from scratch, forging cross-functional partnerships with 6+ teams to define a unified auditing strategy for the organization.
- De-risked an imminent long-term infrastructure outage by engineering a novel Elasticsearch indexing strategy to ingest 3B+ documents daily, reducing the incident rate to 0%.
- Orchestrated a zero-downtime migration of eventing infrastructure supporting millions of events with a cost savings of \$250k/year, forming joint partnerships with platform teams to ensure business continuity and scalability.
- Designed and built intuitive UI/UX for critical platform tooling, significantly increasing developer productivity and reducing incident risk by eliminating error-prone manual configurations.
- Bootstrapped and led the local organization's AI efforts with a focused working group, championing the integration of LLM agents into standard development workflows.
- Drove grassroots organizational change for the widespread adoption of AI tooling for engineering and operations by organizing organization-wide engineering presentations and workshops.
- Led the UI/UX design and engineering for activity logging experiences, streamlining critical audit workflows for business data and reducing operational and support burden.
- Mentored junior engineers and collaborated with talent coordinators to organize and host Q&A/engineering talks/workshops for early talent.

### Full Stack Cloud Software Engineer

*June 2020 - May 2022*

*Celestica*

- Created REST APIs using Java Spring and JAX-RS with Google Cloud Datastore.
- Used time complexity analysis to improve Google Cloud Datastore entity retrieval in Java, leading to a 400% speedup in page load times, and 200% speedup in report generation.
- Designed efficient query splitting in Java for Google Cloud Datastore, enabling the ability for complex searches.
- Developed a method to store large amounts of data 300% more efficiently in GCD, saving \$20k+ in storage costs.
- Created configurable forms using Ektron CMS, eliminating the need for developer intervention in creating points of contact, saving thousands of dollars and tens of hours on a regular basis.
- Lead the process on implementing Jenkins with automated unit testing in our CI/CD pipeline deploying to IBM cloud improving deployment confidence.
- Transformed cloud application infrastructure management from manual to Git source controlled Terraform scripts.
- Developed public facing websites with millions of monthly active users on Microsoft Azure using C# and ASP.NET.

## EDUCATION

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### Honours BSc Computer Science

*University of Toronto, Toronto, Ontario*

*September 2017 - April 2022*

*cGPA: 3.68/4*