**Bruce Elbert Bigirwenkya**

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Bruce is an engineer with 5+ years professional experience building Distributed Systems. He is passionate about meditation, self-improvement, photography and participating in social impact activities like tech meetups.

## EXPERIENCE

**InVisionApp, New York**

*Senior Software Engineer* — November 2021 - Present

*Software Engineer* — December 2018 - November 2021

- Improved performance of the Boards product by optimizing database queries and improving internal data flow between the microservices
- Released v2 of the InVision Figma Plugin adding support for features like sections and making multiple performance optimisations to the sync services
- Increased service maintainability by increasing observability through creating monitors, alerts and adding tracing to the sync service and workers
- Led development of Adobe XD integration within Freehand, a whiteboarding tool at InVisionApp
- Improved Design Addons performance by updating architecture to resolve race condition issues
- Unlocked Private Cloud Client migrations by leading development of Boards export functionality
- Increased Boards reliability by decoupling the API from the event handler resource
- Unblocked the rollout for a new pricing strategy by building paywall features for the freehand only package
- Ensured GDPR compliance by building Wake data export functionality, managing cookie consent features
- Unlocked $11M+ in ARR by building Public Shares, Unarchive and Password features in Boards product
- Reduced TTFB of Integration services UI by 30%+ by implementing an improved cloud architecture
- Resolved data corruption by running ETL scripts to restore state corrupted in Boards & Wake incidents
- Implemented eventbus consumer package used by all integration services
- Migrated 5+ services to using Echo web server
- Achieved operational readiness by planning and executing load testing for the Slack integration
- Released over 2 events schema DACI documents as a contributor to the Events Working Group
- Owned 100% of product engineering responsibilities for Boards, Wake (including DevOps work for Wake)

**OpenMRS, Remote** - *Contributor* — January 2018 - March 2018

- Increased Open Web App installation velocity by building the AddOn Manager to allow users to find and install 100% of the available OWAs
- Unlocked extensibility by making updates to the core platform to support Open Web Applications
- Expanded the module ecosystem further by releasing Obsadmin v1.0.0-beta to the community

**Andela, Kampala** - *Software Engineer* — August 2017 - November 2020

- Generated more than 15% visibility into internal product development by designing processes for accountability
- Drove Societies tool rollout to 100% of the fellowship across Africa by developing features to enable the activity category process flow

**Uganda Communications Commission, Kampala** - *Contractor* — December 2015 - March 2018

- Successfully upgraded the reporting processes used by at least 20 employees in the Engineering department by developing a report management system for data storage, processing and retrieval.
- Enabled accurate visibility into process bottlenecks by creating a task automation system enabling retrieval of data on exact completion of tasks

## LEADERSHIP & AWARDS

**GopherCon Europe** - *Speaker* — June 2020

- Presented talk on Gopls for Go tooling

**Teencode, Africa** - *Facilitator* — September 2017 - July 2019

- Empowered 100+ students across Uganda & kenya by training them on CS fundamentals

**GDG, Kampala** - *Facilitator* — May 2018 - May 2021

- Piloted community adoption of Flutter to over 20 people by facilitating and speaking at Flutter study jams.

**The Andela Way, Africa -** *Writer* — June 2018 - November 2020

- Drove learning of CSS properties to over 3.2k readers through technical publications

**Simulations Projects, Kampala -** *Technical Team Lead*                         June  2018 - August 2018
- Managed progression of 10 developers by mentoring them through 2 month simulation projects.


**EDUCATION**
MSc Computer Science. University of York                                         May 2022 - Present
BSc Software Engineering. Makerere University, Kampala - GPA: 3.1*9*             August 2012 - May 2017

**PROGRAMMING SKILLS**
**Languages:** GoLang, JavaScript, Python, Java
**Frameworks:** Express JS, Echo, Flask, Django, Tornado, React, Angular (1+, 2)
**Data Stores / Data Processing:** Postgres, MySQL, MongoDB, Redis, Kafka, RabbitMQ, DataDog, Pusher, gRPC
**DevOps/Automation:** Docker, GCP, AWS, CircleCI, Travis, Codeship, Jenkins, Shell Scripting, Unix, NGINX