Geofrey Ernest

Software Engineer · Backend Software Engineer · Go Engineer · Solo Founder

Arusha, Tanzania

📅 January 9, 1989 📞 (+255) 769-744-324 ✉ geofreyernest@live.com 🏠 https://github.com/gernest ⌬ gernest in Geofrey Ernest

🐦 @gernesti

Experience

Solo Founder
Remote

Vince Analytics
2023 - Present

- Design and implementation of web analytics events collection API
- Designed and implemented effirient index and storage for web analytics events
- Wrote documentation and maintain landing website https://www.vinceanalytics.com
- Self hosted vince instance to demo vince capabilities demo.vinceanalytics.com
- Open Sourced vince on github https://github.com/vinceanalytics/vince
- Implemented distributed storage using RAFT consesus (Later I pivoted to single node deployments)

Go Engineer
Remote

Tyk
2019 - 2021

- Design and implementation of kubernetes operator for tyk.
- Design and implement support for open telemetry
- Maintain API security and Auth components
- Maintain Open Source API gateway

Go Engineer, contract
Remote

Ably
2020 - 2020

- Go client library SDK for Ably realtime messaging service

Go Engineer, contract
Remote

Ably
2018 - 20

- Go client library SDK for Ably realtime messaging service

Sofwtare Engineer
Remote

Madhive
2018 - 20

- Batch processing big data.

Application Developer
Arusha, Tanzania

Farm Radio International
2018 - 20

- Interactive Radio on Raspberry PI
- Manage Observability stack
- Collection and processing of realtime analytics
- Backend work on nodejs application

Projects

vince - ALternative to Google Analytics
⌬ vinceanalytics/vince

Designer/Developer/Owner
May 2021 - Present

- Designed and implemented roaring bitmap based storage for web analytics events.
- Implemented web analytics dashboard based on Plausible Analytics

Skills

Languages	**Go**, JavaScript, TypeScript, HTML, CSS
Spoken Languages	**English**, **Swahili**
Programs	**Github**, **Git**, **Backend**, **API**, Kubernetes, Distributed systems with RAFT

Education

University of Dodoma
Dodoma, Tanzania

B.Com. in Finance
2010 - 3013