



BRICE ALDRICH

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PROFESSIONAL SUMMARY

Lead Go Engineer and Backend Architect with 9 years of experience driving innovation across industries like 911 telecommunications, blockchain, transportation, finance and credit. Led multiples teams to develop secure, high-performance backend systems, related to identity, authentication/authorization, and finance. Interested in growth technologies and building production ready products from the ground up.

SKILLS

- | | | |
|------------------|---------------|-------------------|
| • Go | • Typescript | • Swift |
| • Javascript | • Haskell | • Python |
| • Docker | • Kubernetes | • AWS EKS |
| • AWS RDS | • AWS IAM | • AWS Elasticache |
| • AWS SQS | • AWS Route53 | • AWS SES |
| • AWS ECR | • AWS KMS | • Mongo DB |
| • Mongo DB Atlas | • Twilio | • Telesign |
| • Git | • Gitlab | • Gitlab-CI |
| • Helm | • Terraform | • Jenkins |
| • Blockchain | • GRPC | • OAuth2 |
| • OIDC | • WebAuthn | • DPoP |
| • Cryptography | • EntGo | • Linux |
| • MySQL | • Postgres | • Redis |
| • Datadog | • Grafana | • Prometheus |

EXPERIENCE

Lead Go Engineer - Backend Architect

April 2021 - Current

Equifax/Cognizant | Remote

- Ownership over several high profile projects around digital-identity, authentication, authorization, and tokens.
- Ownership and lead engineer for Equifax's next generation digital-identity-service.
- Ownership and lead engineer for Equifax's internal token issuance service.
- Ownership and lead engineer over Equifax's next generation authentication and authorization service.
- Ownership and lead over supporting customer facing SDKs.
- Built many of these services from the ground up using technologies such as demonstrating proof of possession, webauthn, split tokens, and more.

Senior Software Engineer and SRE Lead
CamlCase Inc. | Remote

May 2020 - April 2021

- Ownership over all infrastructure and SRE related projects.
- Built and maintained CI/CD, EKS clusters, deployment environments, and utilities.
- Built infrastructure in a decentralized manner using smart contracts and IPFS.
- Built several backend services related to analytics of a decentralized exchange using Go and Haskell.
- Ran stand ups and ticket organization and creation.

Senior Go Engineer - GoTezos Library Owner
Brice Aldrich Development LLC | Remote

January 2020 - December 2021

- Built and maintained an open source library interfacing with the Tezos blockchain RPC in Go.
- Built cryptographic functions to create wallets, sign operations, and verify operations.
- Built structures and tooling around reading blocks and smart contracts on the chain.
- Built batch payment tools to facilitate payments for proof of stake businesses.
- Built infrastructure related tooling to deploy a proof of stake operation.
- Ran a proof of stake service where at it's peak had several million in assets represented.
- Received a large grant to continue open source development over a year.

Lead/Senior Go Engineer - Core Architecture
OneCause | Indianapolis

October 2019 - May 2020

- Built and maintained core Go libraries central to the microservices that facilitated payments.
- Built and maintained core Go libraries central to the microservices that facilitated donor auctions and billing.
- Advised and collaborated with the general architecture team aiding in decisions on over all product architecture.
- Worked with junior developers on progressing their skills and careers.

Golang Security Engineer - Cloud Identity
Apple | Remote

March 2019 - October 2019

- Built and helped design apples internal authentication service similar to AWS IAM.
- Helped design policy based management solutions to authenticate internal apple customers into their kubernetes clusters and development environments.
- Helped build and design CLI utilities related to authentication and managing clusters.
- Used technologies such as oauth2, oidc, grpc, go, and opa.

Part Time Software Engineer Contractor
Tezos Marigold | Remote

January 2019 - December 2019

- Built and designed supporting development tooling around a higher level smart contract language called LIGO.
- Built syntax highlighting for the various forms of LIGO.
- Built a simple language server and vscode plugin for the various formats of LIGO.
- Tested LIGO as a language and deployed test smart contracts to the tezos blockchain.

Backend Go Engineer

November 2018 - March 2019

Transworks | Fort Wayne IN

- Optimized existing Go code by introducing concurrency models.
- Optimized database queries using legacy technologies related to the railroad transportation industry.
- Implemented requested features end to end by collaborating with all team members.
- Helped facilitate project direction and manage service now.

Research And Development Engineer

May 2015 - November 2018

INdigital | Fort Wayne IN

- Collaborate, design, and develop proof of concept technologies related to 911 telecommunications and routing.
- Build out developer tooling using virtualization and automation tools.
- Built protocol parsers for specific binary data formats and telecom related protocols.
- Built and improved existing systems related to routing.
- Helped with feature work and supporting tools related to text to 911 products.

EDUCATION

Computer Science

Purdue University - Fort Wayne, Fort Wayne