

Experience

NuID

2017-2022

Brooklyn,
NY

Founding engineer for a cloud-native Authentication-as-a-Service product based on zero knowledge proofs

- + Developed technical proficiency in elliptic curve cryptography, web standards, frameworks, and fundamentals, and infrastructure-as-code.
- + Led small, distributed teams across engineering, product development (API design, UI/UX), and branding.
- + Designed and implemented a web-based developer portal based on Clojure and ClojureScript, Datomic, Reagent, and Terraform.
- + Granted US 10880089, 11496310 for work on authentication method.

Microsoft

2015-2017

Redmond,
WA

Data Scientist responsible for developing production infrastructure, tooling, and ML models for C-suite reporting

- + Implemented a compiler and toolchain in F# to improve metric accuracy and reliability, returning dozens of hours each week across the team.
- + Developed comfort and enjoyment in summarizing complicated results and presenting them to directors and large audiences.

Rustici
Software

2013-2015

Nashville,
TN

Software engineer developing standards-based e-Learning solutions (SCORM, xAPI)

- + Developed browser libraries, plugins, and UIs for interacting with e-Learning APIs.
- + Contributed to development and propagation of broadly utilized software standards; “radicalized in stewardship.”

Education

Vanderbilt
University

2011-2015

Nashville,
TN

M.S. Computer Science — GPA: 4.0

- + Thesis: *Composable Asynchronous Pipelines*

B.S. Computer Science — GPA: 3.83

- + Completed B.S. and M.S. in 4 years

Minor in Art — GPA: 4.0

- + Focus on drawing and printmaking

Skills

TypeScript
Clj/Cljs
Terraform
AWS
C/C++
Rust
Erlang
Haskell

Written
Verbal
Visual
Interpersonal
UI/UX
Tooling

References

J.D. Hollis — jd@theconsultingcto.com

- + Collaborator on infrastructure at NuID

Pallavi Baral — pabaral@microsoft.com

- + Manager and team lead at Microsoft

Additional references available upon request.

Interests

- + Hiking
- + Printmaking
- + Programming Languages
- + Game Design
- + Mereology
- + Music