NOLAN SMITH

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github.com/usernolan

Experience

Founding Engineer — NuID, Inc.   2017-2022
+ Designed and implemented a public authentication API and web-based developer portal using Clojure, Terraform, and AWS.
+ Developed technical proficiency in web standards and frameworks, cloud architecture, and infrastructure-as-code.
+ Led small, distributed teams across design, engineering, product development, and branding.
+ Granted US 10880089, 11496310 for work on authentication method.

Data Scientist — Microsoft   2015-2017
+ Led development and analysis of the Device Age model informing high level Windows 10 marketing and delivery strategies.
+ Wrote and maintained data pipelines powering insights dashboards relied upon by senior leadership and the CTO.
+ Implemented a compiler and toolchain in F# to improve metric accuracy, reliability, and compute efficiency.

Software Engineer — Rustici Software   2013-2015
+ Contributed to open-source eLearning libraries and browser extensions to drive community adoption of an emerging specification.
+ Led development of an open-source conformance suite for testing new and existing library implementations.

Education

M.S. Computer Science — Vanderbilt University   2013-2015
+ Thesis: *Design Patterns in Concurrent and Asynchronous Systems*
+ Project: *Distributed Online Record Linkage*

B.S. Computer Science — Vanderbilt University   2011-2015
+ GPA — Cumulative: 3.777/4.0 - Major: 3.854/4.0 - M.S.: 4.0/4.0
+ Earned B.S. and M.S. in 4 years
+ Fine art minor focusing in drawing and printmaking

Skills
+ Languages

Web Development, Tooling, Cloud Architecture, Front End
TypeScript/JavaScript, Clojure/ClojureScript, Terraform, AWS, Java, Rust, C, Erlang, Haskell, Lua

References

J.D. Hollis — jd@theconsultingcto.com
+ Collaborator on infrastructure at NuID

Pallavi Baral — pabaral@microsoft.com
+ Manager and team lead at Microsoft

Interests

Hiking, Printmaking, Programming Languages, Game Design, Mereology, Music