

Experience

<div><div>NulD</div><div>2017-2022</div><div>Brooklyn, NY</div></div>	<div><div>Founding engineer for a cloud-native Authentication-as-a-Service product based on zero knowledge proofs</div><div><div>+ Designed and implemented a public authentication API and web-based developer portal using Clojure and ClojureScript, Datomic, Reagent (React), Terraform, and AWS (Lambda, EC2, S3, Dynamo).</div><div>+ Developed technical proficiency in web standards, frameworks, and fundamentals, cloud architecture, and infrastructure-as-code.</div><div>+ Led small, distributed teams across engineering, product development (API design, UI/UX), and branding.</div><div>+ Granted US 10880089, 11496310 for work on authentication method.</div></div></div>
<div><div>Microsoft</div><div>2015-2017</div><div>Redmond, WA</div></div>	<div><div>Data Scientist developing production infrastructure, tooling, and ML models for analyzing Windows usage</div><div><div>+ Developed and maintained pipelines analyzing terabytes of Windows usage data in architectures similar to Hadoop and Spark.</div><div>+ Implemented a compiler and toolchain in C# to improve metric accuracy and reliability, returning dozens of hours each week across the team.</div><div>+ Presented results to directors and large audiences.</div></div></div>
<div><div>Rustici Software</div><div>2013-2015</div><div>Nashville, TN</div></div>	<div><div>Software engineer developing standards-based e-Learning solutions (SCORM, xAPI)</div><div><div>+ Developed browser libraries, plugins, and UIs for e-Learning APIs.</div><div>+ Contributed to development and propagation of broadly utilized software standards; “radicalized in stewardship.”</div></div></div>

Education

<div><div>Vanderbilt University</div><div>2011-2015</div><div>Nashville, TN</div></div>	<div><div>M.S. Computer Science — GPA: 4.0</div><div>+ Thesis: <i>Composable Asynchronous Pipelines</i></div><div><div>B.S. Computer Science — GPA: 3.83</div><div>+ Completed B.S. and M.S. in 4 years</div></div><div><div>Minor in Art — GPA: 4.0</div><div>+ Focus on drawing and printmaking</div></div></div>
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Skills

TypeScript	_____	Written	_____
Clj/Cljs	_____	Verbal	_____
Terraform	_____	Visual	_____
AWS	_____	Interpersonal	_____
C	_____	UI/UX	_____
Rust	_____	Tooling	_____
Erlang	_____		
Haskell	_____		

References

<div><div>J.D. Hollis — jd@theconsultingcto.com</div><div>+ Collaborator on infrastructure at NulD</div></div>
<div><div>Pallavi Baral — pabaral@microsoft.com</div><div>+ Manager and team lead at Microsoft</div></div>
<div>Additional references available upon request.</div>

Interests

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