# Kaleb Pace

Austin, TX | kaleb.pace@pm.me

## RELEVANT EXPERIENCE

### Verse | Senior Engineer
*2023 - current*

*San Francisco, CA - remote*

- Lead initial architecture of Rust-based real-time Site Controller software for BESS projects and other DERs. Authored a Rust macro library to facilitate codegen from CSVs for all supported Modbus TCP devices. Created Multi-crate monorepo CI pipeline for optimized builds through Nix-crane caching and LXC-based CD to remote Proxmox hosts.
- Lead *Next.js/Storybook/ECharts/D3.js* based UI design system architecture and implementation of analytics web-app to manage time-series forecasts for distributed energy asset portfolios. **$20M Series A lead by Google Ventures; Oversubscribed.**
- Conducted hiring and interviews targeting Senior and Staff+ roles for UI, Platform, Machine Learning, and Fleet Telemetry & Control. Owned the creation of live-coding templates which leveraged the Replit platform for reproducible, high-fidelity, collaborative interviews through a privately shareable in-browser editor.

### Zenus | Founding Engineer
*2019 - 2021*

*Austin, TX - remote*

- Lead design and implementation of cloud-based architecture to support ~500 *NVIDIA Jetson Xavier* devices. Consisted of a message broker ETL pipeline with materialized time-series stores to produce anonymized aggregate statistics of event-attendee's age, sex, and sentiment over multiple weeks. **$1M Seed lead by Monetta Ventures; ~$600K raised via Startengine crowd-funding campaign.**
- Lead design and implementation of *Vue 2 JAMStack* analytics web-app for vizualizing 5min real-time statistical impressions collected by devices.
- Lead design and implementation of IoT device enclosures with *FreeCAD*, at-home *FDM-PLA* print of prototypes, and manufacturing (*Hubs3D-printed MJF Nylon PA-12*).
- Ported *CUDA*-accelerated *PyTorch* computer vision application to *Balena OS* on *NVIDIA Jetson Xavier* with containerized services.

### BabelStreet | Platform Engineer
*2018 - 2019*

*Starkville, MS - hybrid*

- Lead implementation of statically-compiled regex URL extraction service which reduced parsing time from **20s to 0.5s per ~1k web-documents ingested** through ETL pipeline.
- Migrate Windows Server console applications to MS Service Fabric guest executables reducing time to deploy from **~10 minutes to seconds per application**.
- Lead SRE on-call incident response process and architecture using Splunk On-Call (f.k.a VictorOps).

### BeyondTrust (f.k.a Bomgar) | Software Engineer
*2016 - 2017*

*Jackson, MS - hybrid*

- Implemented *ALPN/SNI* on Bomgar Box servers for HTTP/2 compatibility using *OpenSSL* C library in tandem with TLS-encrypted *syslog-ng* distributed remote backups.

## EDUCATION

### Mississippi State University
*2018*

*B.S. Computer Science*

- Additional course work in digital devices design and embedded systems programming.
- Information Assurance Endorsement

## PROJECTS

### Shapurr.com | Polyform
*2025*

- A hosted version of Polyform to enable users, graph sharing, and cloud-based saves. Co-created with EliCDavis.

### github://balena-vscode
*2022*

- Unofficial Balena Cloud VSCode extension deeply integrating with the full-lifecycle management of IoT devices and containers.

## SKILLS

**Languages, Frameworks, & Tools:** React/Next.js, Vue, Svelte, TypeScript, Nix, Rust, Docker/Podman, Golang, Python, Terraform, C#/.NET/dotnet core

**Platforms:** Google Cloud, Cloudflare Workers & Zero Trust, AWS, Balena Cloud, IBM Cloud, Digital Ocean, Leaf Cloud/Openstack, NixOS Homelab

## LINKS

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