James Bodie Solomon   **Princeton, NJ**

BSc, Computer Science, March 2013
California State Polytechnic University, Pomona

Meticulous, focused, T-shaped software engineer specializing in systems, at scale. Uses and reinforces the use of the scientific method. Builds and architects maintainable, reliable systems.

Polyglot hobbyist, broad platform knowledge with deep AWS, Linux, C++, and Go experience.

March 2022 - Present: Lead Software Engineer, Serving
FreeWheel inc., Manhattan, NY
```
{{C++, Folly, Protobuf, Helm, Bazel},
 {Aerospike, Kubernetes, Envoy, Prometheus}}
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Lead an efficient C++ team responsible for Beeswax's Bidder as a Service, a low-latency OpenRTB implementation which handles ~3.5 million bid requests per second across 4 world regions.

Review and support team code and designs, architect, document, and build solutions in code, organize efforts across teams, identify and lead new technical endeavors.

Support customer systems, analyze outages and root causes, resolve problems.

Design and run experiments.

March 2018 - March 2022: Lead Software Engineer,
May 2016 - 2018: Sr. Software Engineer (Data)
FreeWheel inc., Manhattan, NY
```
[[C++, Golang, Terraform, SQL], [Kafka, RDS, SQLite], [AWS, Hadoop],
...]
```

Data engineering for real-time reporting on billions of events/day ad impression data to big-name TV customers, at TV-grade standards of production quality.

Engineering lead on APIs, from product design through release, on groundbreaking, interactive audience suite.

Code review, mentorship, cloud migration, data extraction, lead and management of critical outage recovery / data backfill, etc.

July 2015 - May 2016: Golang Developer   *AnyPresence, Remote, VA*
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[[Golang, SQL], [JavaScript, Ruby], [PostgreSQL, ZeroMQ]]
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    Design and build features, set and enforce code quality, for customer-deployed REST API builder; debug pre-existing critical production issues.

March 2014 – March 2015: Consulting Engineer   *Juju (Canonical Ltd.), Remote*
```
[Golang, MongoDB, Juju]
```

References available upon request

Build, test, code-review, document intricate RPC API & features, including user CLI, for customer-deployed cloud engine Juju: see https://jujucharms.com/docs/stable/actions.

May 2013 – Jan 2014: Backend Engineer   ***DigitalOcean, Manhattan, NY***
```
[[Perl, SQL], [MySQL, NFS], [KVM, Ubuntu Linux]]
```

Sysadmin */* ***Perl engineer*** *with root on thousands of globally-distributed kvm hosts, interfacing between engineering and escalated customer issues, for rapidly growing PaaS startup; manage and own major customer escalations.*

References available upon request