

Adam Shannon  
Software and Infrastructure Engineer  
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## Experience

(Sept 2018 - Present) Founding Engineer at Moov Financial and OSS moov-io

### Projects

- Automated Clearing House (ACH) services using Go along with industry leading ach library and achgateway along with testing and debugging tools
- Real Time Payments (RTP) services using Go along with creating and patching OSS libraries for ISO 20022 compliance
- Senior developer on card acquiring and issuing teams building services to card brands directly from scratch. Using moov-io's iso8583 and iso8583-connection libraries
- Lead developer on card settlement services and sweeping capabilities
- Initial developer of Infra components including CI/CD systems using Terraform, Github Actions, Docker, Kubernetes, Grafana/Loki, Prometheus

### Roles and Challenges

- Maintaining and designing open-source tools and ecosystem for developers.
  - bankcron - CLI wrapper to only run commands on banking days
  - cryptfs - Go library for transparent cryptographic storage of files
  - Watchman - AML/CTF/KYC/OFAC Search of global watchlist, sanctions, and politically exposed person (PEP)
- Building, deploying, and scaling backend services and infra components for inflight activity tracking and completion, diverse file retrieval, and payment processing rails.
- Fostering a culture of transparency, high trust, and autonomy at the start of Moov.

(Jan 2014 - July 2018) Senior Software and Infrastructure Engineer at Banno

- Writing and supporting a platform of applications for the banking needs of consumers and financial institutions

(Jan 2015 - May 2016) Co-Founder at Backline

- A platform for musical artists to discovery show and tour opportunities

## Education

- Bachelors of Science in Computer Science at the University of Northern Iowa

## Awards

- Business Professionals of America
  - (2010) Third Place in National Level "Fundamentals of Web Design"
  - (2009 and 2010) State Champion in "Fundamentals of Web Design"