

Graham Burleigh

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EXPERIENCE

- **Stax Payments** Orlando, FL
Software Developer - Onboarding/Risk Jan 2023 - Pres
 - **Performance:** Consistently ranked in the top 5% of developers in department-wide metrics: stories completed, points accounted for, ticket lifecycle time, and commits/PRs
 - **Dispute Resolution Revamp:** Led fullstack design of a new payment dispute feature, allowing over 40,000 merchants to directly monitor and manage inconclusive transactions
 - **Registration Efficiency:** Part of three-developer squad responsible for decreasing merchant application pend rates by more than 30%
 - **PayPal Onboarding Rehaul:** Co-led initiative to onboard 8000 merchants onto PayPal via API integration
 - **Deposit Reporting Accuracy:** Co-led a complete redesign of Stax Pay's deposit report feature that made up 25% of all traffic on the site
 - **Fraud Detection & Mitigation:** Implemented over 30 Datadog monitors to proactively identify suspicious activity and prevent fraud
 - **On-Call Service:** Provided all-week round-the-clock support for incoming customer support requests, bug reports, and performance degradation
- **CardX** Chicago, IL
Software Developer Jun 2022 - Jan 2023
 - **Payments Infrastructure:** Developed and implemented critical AWS infrastructure (Lambda & S3) to support various payment functionalities and platforms
 - **Third-Party Integrations:** Designed and integrated third-party payment solutions like Mastercard's Click to Pay, onto which we onboarded more than 1000 merchants
 - **Scalable Recurring Billing:** Optimized the recurring billing system for high scalability, ensuring efficient processing of thousands of daily transactions
 - **Exceptional Customer Support:** Resolved over 100 client tickets within a year as an operations specialist, effectively troubleshooting and resolving bugs on the spot
 - **DevOps and CICD:** Handled all aspects of ticket lifecycles from testing to deployment, making more than 150 unique releases across all of our repositories

RESEARCH AND PUBLICATIONS

- **quite-suite:** Library of useful packages, scripts, and workflows for fullstack development and Fintech research
 - **quick-card-tokenizer:** Mock Golang environment for tokenizing payment methods and storing them securely
 - **quick-pans:** Reverse brute-force the Luhn algorithm to generate random valid PANs
 - **quick-logger:** Telemetry library in Golang focused on quick scaffolding for logging
 - **quick-gateway:** Mock payment gateway written in Golang featuring a terminal client - gateway - processor architecture
 - **quick-tools:** Useful scripts I use regularly, such as quickly creating Golang and Vite projects
- **ACM AsiaCCS 2024:** Decoding the MITRE Engenuity ATT&CK Enterprise Evaluation: An Analysis of EDR Performance in Real-World Environments

PROGRAMMING SKILLS

- **Languages:** Typescript, Javascript, Python, Bash
- **Web Frameworks:** React.js, Vue.js
- **Backend Stacks:** Express.js, SQL, Knex.js
- **DevOps:** AWS CDK (Lambda, S3, SQS, IAM) Auth0, Docker, Datadog
- **Environments and Testing:** Node.js, Jest, Cypress, Conda

EDUCATION

- **Northwestern University** Evanston, IL
Bachelor of Science, Computer Science Sep. 2018 - Jun. 2022