

# Levi Schuck

# Staff Software Engineer & Manager

✉ Email: [me@levischuck.com](mailto:me@levischuck.com)

📍 Location: Sun Prairie, Wisconsin, USA

Levi is seeking a remote position to engineer and lead engaged teams in delivering secure, scalable, highly available, and reliable services in the cloud. He is an effective communicator who raises the bar for lasting cross-team change in organization, software development, deployment, business operations, and security as a business and secured web applications. His leadership has reduced business impacting incidents, enabled autonomy of multiple teams, and has instilled leadership and responsibility in engineers that report to him. For matters of security and data privacy, he is the go-to expert in designing, reviewing compliance efforts and cryptography.

## Experience

### EatStreet

#### Software Engineering Manager - Platform Services Team

02/21 - current

- A new QA team formed at EatStreet but was operationally crippled and dependant. Levi hired and directed a new team create an internal product that automated cloud deployments from Slack. QA then owned the release process and operational quality improved so much that business impacting incidents reduced by 90%.
- With active listening and effective communication, Levi determined that a new product team was creating a micro-frontend without the means to test or deploy it. He rapidly planned, delegated, and contributed to a new project that enabled micro-frontend applications on EatStreet. The project was delivered on time and unlocked EatStreet's first party grocery experience with a 20x faster development cycle time.
- With a new team, Levi had the opportunity to mentor and develop engineers in their professional capacity. He trained junior engineers to promotion with careful technical challenges and developed soft skills among engineers with rotational team leadership.
- Uber's data breach provided an opportunity to improve security at EatStreet. Levi prepared, budgeted, proposed, and guided the business to transition privileged accounts across all departments to require security keys with SSO.

#### Sr. Software Engineer

05/17 - 01/21

- The pandemic changed customer behavior to peak by 6x and services dropped load beyond 1.5x, degrading fulfillment operations. Levi transformed core services to horizontally scale on new cloud infra, improving revenue capture and retention.
- Chrome labeled 3000+ restaurant websites as insecure for using HTTP. Levi released a custom scalable TLS edge endpoint with automated certificate renewal. These 3000+ websites continue to operate successfully as a vertical for customer orders.
- EatStreet was breached and due diligence revealed that bank ACH details were stored in plaintext. Levi created a secure storage API using AWS KMS to secure a Google Tink Keyset and implemented an automated key rotation schedule. All bank details were

migrated, lessening the risk going forward. Additionally, he migrated EatStreet away from MD5 in password hashing and 3DES usage.

- EatStreet's breach led to credential stuffing and credit card stuffing attacks. Levi released internal defense mechanisms that outperformed F5 Shape Defense and protected EatStreet's customers from account takeover and fraud.
- EatStreet and Google partnered together to provide ordering online through Google's own web experience. Levi developed the most reliable customer vertical in EatStreet's history, delivering 20-40% of seasonal revenue to restaurants across the nation.

## Epic

### Research & Development, Software Developer

06/14 - 03/17

- As new hospital network contracted Epic for new features where Levi delivered reference lab results across vendors for 10,000 tests per/mo per/lab in CA.
- Represented clinical lab division in cross org councils to improve routing and delivery of clinical lab tests to physicians, nurses, and patients.

## BYU Campus Accommodations

### Student Developer

08/10 - 12/12

- Built internal apps from scratch for food labeling and summer events management.
- Primary owner of custom oracle database driver and application data warehouse.

## Languages

**Expert:** Java JavaScript, TypeScript **Proficient:** C Rust Python

## Databases & Services

**Expert:** AWS ECS & Fargate, IAM, KMS, Route53, Secrets Manager, SQS

**Proficient:** AWS ACM, CloudFormation, CloudWatch Logs, Events, Alarms, Elastic Beanstalk, Elastic Load Balancing, Lambda, Route53, SNS, SSM Parameter Store Let's Encrypt ACME MySQL Redis

**Competent:** AWS DynamoDB, CloudFront PostgreSQL

## Technologies

Git Atlassian Jira, Confluence, Github Mac, Linux AWS CDK Docker IntelliJ, VS Code

## Achievements, Projects, Education

Late manuscript reviewer of [Base64 Malleability in Practice](#) by Panagiotis C. and Konstantinos C. - Cryptology ePrint Archive Paper 2022/361

Reviewer of [LATKE: An identity-binding PAKE from lattice assumptions](#) by Michael Rosenberg - Cryptology ePrint Archive Paper 2023/324

[JaneTLS](#) a security primitives library for the [Janet programming language](#) with C bindings to [Mbed TLS](#) with accessible cryptography APIs (2021).

Bachelors of Science in Computer Science at Brigham Young University (2014)

Technical editor of [The Rook's Guide to C++](#) (2013)

Eagle Scout (2010)