

# Dan Applegate

## Senior Software Engineer

### EXPERIENCE

#### Block

**Senior Software Engineer** *January 2021 - June 2026, Remote*

Maintained and expanded Square's in-house ledgering system, recording over 3M daily transactions across billions of dollars of small business loans.

Modernized the database connection handling code for our 750k+ LoC Ruby on Rails monolith; contributed to Rails version upgrade work.

Used Kafka and Protobuf to design new integration for our credit card product, consuming real-time repayment data for over 50k credit lines.

#### Transfix

**Software Engineering Manager** *January 2019 - December 2020, New York NY*

Proposed, hired, and managed a team to onboard a backlog of more than 30 enterprise customers and automate 90% of shipment lifecycles, earning the team the "Deliver Every Day" company values award for Q4 2019.

Managed and led 7 engineers across 2 teams in developing automation features to improve operational efficiency.

#### Parsec

**Software Engineer** *April 2017 - December 2018, New York NY*

Used Python, React, and Go to develop features such as a global permission system, premium account subscriptions, guest input toggles, and payments.

Designed and built central peer-to-peer messaging service which supported over 60k persistent client connections from a single Go binary.

#### Skillshare

**Lead Infrastructure Engineer** *October 2015 - March 2017, New York NY*

Transitioned Skillshare's infrastructure and developer tools from a monolithic single server to AWS EC2 and Vagrant, then to Docker and Kubernetes, achieving an extended period of 99.9% uptime.

**Backend Engineer** *June 2012 - October 2015, New York NY*

Used the Yii PHP framework, MySQL, and AWS to build features such as "Projects," enabling the creation of over 300k pieces of rich user content.

Developed an automated payout system which was responsible for distributing over \$1.4 million through PayPal for teacher royalties.

#### Rokkan

**Developer** *January 2011 - June 2012, New York NY*


Project work included building interactive websites and Facebook pages for brands such as Stoli, Kraft, Ford, and Chipotle.

### CONTACT


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### SOCIAL

 [danapplegate.com](http://danapplegate.com)

 [in/dan-applegate-75496b21](https://in.linkedin.com/in/dan-applegate-75496b21)

 [danapplegate](https://github.com/danapplegate)

### SKILLS

Python, Ruby, Go, Javascript, Typescript, Rust, Postgresql, MySQL, React, AWS (EC2, RDS, S3, Redshift), Terraform, Docker, Kubernetes, Git

### EDUCATION

#### Wake Forest University

**B.S. Computer Science**

2005-2009

- *Carswell Scholar*
- *w. Honors, Magna cum Laude*
- *Upsilon Pi Epsilon*
- *ACM ICPC team member*
- *CS Tutor*

### REFERENCES

Available upon request.