

Patrick Arthur Brown

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Experience

2018 – Present: **Software Engineer at LendUp**

- Extracted a complicated and error prone code path into a testable standalone service, saving thousands in compliance fees.

2015 – 2017: **Software Engineer at Braintree**

- Created a Ruby on Rails service for merchants to dispute credit card chargebacks, saving merchants hundreds of thousands of dollars.
- Relieved a year of technical debt by migrating 6M+ dispute records to above service.
- Asserted consistency between the old and new services by comparing the results on each request so that merchant's data was proved reliable before going live.
- Designed and released an idempotent notification subsystem which allowed merchants to subscribe to both emails and web-hooks for dispute information.
- Drafted and maintained the new team member onboarding documentation for Team Disputes; six new team members have been on-boarded this way.
- Researched and wrote a report validating the safety of refunds to transactions with multiple settlements which enabled Jet.com to settle separate line items in an order.
- Responsibilities included production operations, deployments, and on-call rotation participation.

2014 – 2015: **Software Engineer at Fiksu DSP**

- Co-led a front-end rewrite in React/JavaScript that improved page load times by 50%.
- Worked on an app that receives traffic from 1.6M+ monthly active users.
- Reduced CI build times by 70% via limiting calls to the database and containerizing the build with Docker.
- Migrated, encrypted, and validated 3M+ records to securely store sensitive data.

Education

2018: **Greenfield Community College**

- A.A. Liberal Arts/Computer Science.
- Made an interactive visualization of the Heapsort algorithm. ([link](#))
- Courses: Data Structures and Algorithms, C++ Programming, Java Programming.

Skills

- Technologies: Java, Scala, Ruby, Ruby on Rails, Docker, JavaScript, React, Redux, Postgres, AWS, Git, Linux.
- Methodologies: Unit/integration testing, continuous integration, object-oriented programming, agile development.