

# Rihan Pereira

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## Experience

### Open Source developer

REMOTE

Aug 2018 – present

- Contributing code to [Software Daily](#) android repository.
- fixing [good-first-bugs](#) of [mozilla.addons.org](#) project.

### Bitstreet Technologies

MUMBAI, INDIA

#### Software Developer

Jan 2016 – Dec, 2017

- Managed multiple repositories. Encouraged use of **Git-flow** design among team of 4 developers.
- Contributions in logical and persistence tier. Bitcoin gateway integration, setup bitcoin cash wallet app end-to-end. Got opportunity to develop algorithms for processing background tasks.
- Developed Multi-factor Authentication(2FA) with backup & recovery options.
- Secured user accounts using **salting & hashing** technique.
- **HMAC Authentication & Signing** applied to JSON-REST/RPC API calls.
- Studied & implemented **Nonce** as an addition to secure message passing between internal services as a defense against replay attacks.
- Developed stateless cursor based pagination API at scale, spanning data over multiple MongoDB collections(*was reused twice in different application context in production*).
- Used **software multitenancy** on application server to share common set of resources among different tenants using (Role-based Access Control)RBAC and database isolation.
- produced supportive documentation and designed system diagrams.

### Aasaanjobs

MUMBAI, INDIA

#### Software Development Engineer I

Dec 2014 – July 2015

- Hands-on git, exercised git-flow workflow design, learned to resolve merge conflicts, branching, hotfixes, stash, interactive rebase.
- Refactored and wrote new responsive UI.
- Wrote Javascript code to handle REST endpoints and manipulate it for dynamic UI experience.
- wrote automated UI tests using PhantomJS - headless browser environment.
- write python/js scripts to execute database backups, traverse spreadsheet data to fanout notifications.

*I maintain my list of active and past projects at [swlogs.me/DIY](https://swlogs.me/DIY).*

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## Education

### California State University, Channel Islands

CALIFORNIA, U.S.A

#### Master of Science(M.S) in Computer Science

Jan 2018 – Dec 2019(expected)

### Mumbai University, St. Francis Institute of Technology

MUMBAI, INDIA

#### Bachelor of Engineering(B.S) in Information Technology

June 2010 – May 2014

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## Skills

**Tools & Programming:** Knows Python/Javascript/Node.js and Java. Emacs user. Experience writing secure REST APIs in Django, Express.js. Familiar with Memcached, MongoDB, MySQLDB deployment(e.g indexing, migrations). Enjoys challenges to architect and implement scalable web applications. Hands-on Debian Linux(e.g bash scripting). Well versed with Git.

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## Achievements

- Awarded and recognized as a Top Performer, Best Performing Team, meeting Expectations Plus Performance for the year 2017 at [Bitstreet Technologies](#).