

Rihan Pereira

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Experience

[mozilla.addons.org](https://addons.mozilla.org)

Volunteer Software Developer

REMOTE

Aug 2018 – present

Contributing code to mozilla addons ecosystem. The successful pull requests are noted on mozilla's [contributor recognition](#) page. Main takeaways from this project are:

- learn and apply best practices in the software development space while also learn new tools/tech, architecture applied to make this product function as a whole: eze tests, rabbit-mq, elasticsearch, Continuous Integration, use of containers for development and deployment.
- peer code reviewing.
- maintaining correct git history.

[Bitstreet Technologies](#)

Software Developer

MUMBAI, INDIA

Jan 2016 – Dec, 2017

- Solid exposure in logical and persistence tier of their multi-tier architecture. Currently involved in the development of Wallet as a Service(WaaS) which runs on bitcoin full-node supporting on-chain/off-chain transactions.
- Code management lead. Encouraged use of **Git-flow** among teammates.
- Developed Multi-factor Authentication(2FA) with backup & recovery options.
- Secured user accounts using **salting & hashing** technique.
- Became familiar with and thereafter used **HMAC Authentication & Signature Verification** applied to JSON-REST/RPC API calls.
- Studied & implemented **Cryptographic Nonce** as a middleware in logical tier as a defense against replay attacks.
- Developed code to enable stateless cursor based pagination API at scale, spanning data over multiple collections. Packaged it into portable library as it was reused twice in different application context in production.
- Used **software multitenancy** on application server to share common set of resources among different merchants using (Role-based Access Control)RBAC and database isolation.
- Documented project module workings and manual test cases.

[Aasaanjobs](#)

Software Development Engineer I

MUMBAI, INDIA

Dec 2014 – July 2015

- Exercised acquired understanding of DVCS tool Git, learned to resolve merge conflicts, branching, hotfixes, stash, git-flow.
- Refactored and wrote new responsive UI.
- Wrote Javascript code to handle CRUD endpoints and manipulate it for dynamic UI experience.
- Applied understanding of Python/Django's MVC & ActiveRecord.
- wrote python/js scripts to perform database cleanups and automate notifications triggering.

I maintain my list of active and past projects at swlogs.me/DIY .

Education

[California State University, Channel Islands](#)

Master of Science(M.S) in Computer Science

CALIFORNIA, U.S.A

Jan 2018 – Dec 2019(expected)

[Mumbai University, St. Francis Institute of Technology](#)

Bachelor of Engineering(B.S) in Information Technology

MUMBAI, INDIA

June 2010 – May 2014

Skills

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

Achievements

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