

Oitihjya Sen

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hello@otee.dev; <https://otee.dev>; github.com/oitee

PERSONAL PROJECTS

Twirl URL Shortener

A web app that shortens URLs on a per-user basis, with basic analytics tracking

- Unique short links generated by using counters on PostgreSQL and a pseudo-random string
- Password storage with salted HMAC, using standard pbkdf2 function
- Authentication middleware to enforce redirection to log-in page without encrypted session cookies
- *Built using:* Node.js, Express.js, Mustache templates, PostgreSQL, JavaScript, Bootstrap/CSS
- *Deployed:* <https://twirl.otee.dev> ([code](#)) (documentation: [1](#), [2](#), [3](#))

Cardimom Twitter Bot

A bot that consumes XML feeds from selected blogs and tweets new posts

- RSS and Atom parsing, using JSDOM
- Idempotency guarantees and at-most once semantics
- Integration tests using Jest framework on GitHub workflow using Docker for PostgreSQL
- *Built using:* Node.js, PostgreSQL, Twitter REST API, deployed on Heroku
- *Deployed:* <https://twitter.com/cardimomT> ([code](#)) ([documentation](#))

Crisp Lisp interpreter

A simple Lisp interpreter that evaluates S-expressions in LISP languages like Clojure, using LR-parsing

- CLI interpreter for reading, evaluating and printing on loop (REPL)
- *Built using:* Node.js; *Code:* <https://github.com/oitee/crip> ([documentation](#))

RemindMe Flash Cards

A web-app that replicates flash cards, by randomly displaying questions & answers from a given data-set

- *Built using:* Clojure, Ring, Compojure, Bootstrap/CSS
- *Deployed:* <https://remind.otee.dev> ([code](#)) ([documentation](#))

Tech Blog

Self-documentation of technical concepts. Over 40 articles published; 1500+ new users in the past 90 days

- Built using Jekyll static site generator, hosted on Github Pages, served on Google domains
- *URL:* <https://otee.dev>

WORK EXPERIENCE (LEGAL)

Vidhi Center for Legal Policy – Research Fellow

March, 2019 - July, 2021

EDUCATION

Recurse Center – NYC, USA

Ongoing

Hidayatullah National Law University – Raipur, India

BA. LLB (Hons), 2018

SKILLS

Programming Languages: JavaScript, Clojure

Frameworks and Tools: PostgreSQL, Express.js, Git, VS Code, Heroku

LINKS

hello@otee.dev github.com/oitee twitter.com/oteecodes linkedin.com/in/oitihjya medium.com/@otee.dev