KEVIN LIN

BACKEND / INFRASTRUCTURE / WEB FRONTEND

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⦿ LINKIWI
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EDUCATION

RICE UNIVERSITY | HOUSTON, TX

2014 – 2018 | B.S. ELECTRICAL AND COMPUTER ENGINEERING, B.S. COMPUTER SCIENCE | 3.90 GPA

EE Senior Capstone Design, Computer Systems Architecture, Computer Vision and Its Applications, Implementation of Digital Systems, Introduction to Neuroengineering, Digital Logic Design, Random Signals, Signals and Systems, Physical Electronics

CS Distributed Program Construction, Operating Systems and Concurrent Programming, Computer Security, Database Systems, Principles of Programming Languages Theory, Computer Networks, Functional Programming, Algorithms and Data Structures

EXPERIENCE

PINTEREST | SOFTWARE ENGINEERING INTERN | SAN FRANCISCO, CA

SUMMER 2017 | PRODUCT ACTION TEAM

Expanded backend functionality within a graph-based storage system to support the next major iteration of the Shop the Look product. Built and directed technical vision for a React/Redux-based web interface to allow advertising partners to tag their products in Pinterest pins.

UBER | SOFTWARE ENGINEERING INTERN | SAN FRANCISCO, CA

SUMMER 2016 | WEB PLATFORM TEAM

Scaled backend infrastructure for Uber's internal private Node (NPM) registry to a fast, persistent, and searchable Elasticsearch index. Designed and implemented a React/Redux-based web frontend, similar to npmjs.com, for browsing internally published NPM packages.

YELP | SOFTWARE ENGINEERING INTERN | SAN FRANCISCO, CA

SUMMER 2015 | CONSUMER WEB TEAM

Built an email campaign system designed to increase reviews from users who order products directly from businesses using Yelp Platform. Redesigned and implemented a new experimental single-page-flow frontend interface for Yelp's universal business photos uploader.

OPEN SOURCE

LINKIWI/LINKR

PYTHON (FLASK), JAVASCRIPT (REACT) | 21823 ++ | 6599 --

www.linkrapp.com
github.com/LINKIWI/linkr

Fast, flexible, self-hosted web link shortener built on a highly configurable Python backend with a responsive React-based frontend client.

LINKIWI/MODERN-PASTE

PYTHON (FLASK), JAVASCRIPT (CLOSURE FRAMEWORK) | 13617 ++ | 2730 --

www.modernpaste.com
github.com/LINKIWI/modern-paste

Feature-rich, self-hosted Pastebin alternative featuring a contemporary, minimalistic user interface backed by a robust, RESTful API. Currently deployed as the official public paste service of the Linux Fedora project at paste.fedoraproject.org.

LINKIWI/ENDPOINT

JAVASCRIPT/ES6 (NODE, REACT) | 4191 ++ | 492 --

endpoint.internal.kevinlin.info
github.com/LINKIWI/endpoint

Zero-configuration and zero-server-overhead microservice for creating customizable mock HTTP API endpoints that return static JSON data.

LINKIWI/APACHE-AUTH

JAVASCRIPT/ES6 (NODE, REACT) | 11627 ++ | 3042 --

auth.kevinlin.info
github.com/LINKIWI/apache-auth

Framework for a transparent, stack-agnostic, 2FA-enabled SSO implementation based on distribution of HTTP cookies at the Apache layer.

LINKIWI/SIGN-AUTH

PYTHON (FLASK), SENSEL | HACK THE PLANET, MOUNTAIN VIEW, CA | 1185 ++ | 11 --

github.com/LINKIWI/sign-auth

Web 2FA via real-time validation of a handwritten signature as raw multi-point pressure, position, and velocity inputs from the Sensel Morph.

TECHNICAL

LANGUAGES   Javascript/ES5/ES6, Python, Java, C, Scala, Bash, TeX, Markdown + standard markup   Learning: C++

TECHNOLOGIES   Backend: Node, npm, Flask, MySQL, ELK stack. Frontend: React, Babel, Webpack, Jinja, SASS/SCSS, Google Closure

DEV TOOLING   *nix systems, VCS (Git, SVN), CI (Jenkins, Travis), Docker, linters (ESLint, PEP8), project tracking (Phabricator, JIRA)