

Portfolio

Appendix to the [full CV](#)

Tobias Cudnik

Fullstack Developer

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1. Node.js (TS / JS)

- Closed Source
 - **UBIO** TypeScript, Koa, MongoDB, Microservices, Web Scraping, Google Travel API, Data Integrity Reports, Docker Compose, JSON Schema, CSV, Agenda queue, 3D Security, SQL, Git
 - **Hola** Express, MongoDB, P2P, LXC, ES3->ES6, custom tools, ESLint plugins, CVS
 - **BetVictor** Express, MongoDB, SQL, Microservices, Git
- Commercial Open Source
 - github.com/RiseVision/rise-node ([commits](#)) TypeScript, Blockchain, CLI, P2P, Docker, Protocol Buffers, nginx, PostgreSQL, Distributed System
- Open Source
 - github.com/TobiaszCudnik/taskbot TypeScript, Next.js, Hapi.js, Google Tasks API, Gmail API, Google Sign-In, Firebase, AsyncMachine
 - github.com/TobiaszCudnik/asyncmachine-inspector TypeScript, Workers, RPC, JSONDiffPatch, Redis, Socket.io
 - github.com/TobiaszCudnik/wsti-thesis-2012 P2P, RPC, Distributed System, Graph Theory
- Demo Projects
 - github.com/TobiaszCudnik/demo-distributed-heartbeat Node.js, REST, Koa, Redis Sentinel, Docker Compose, Distributed Systems, Mutexes, Jest, TypeScript, ES11udnik/demo-distributed-wallet
 - github.com/TobiaszCudnik/demo-distributed-exchange RPC, Grenache, Distributed Systems, Mutexes, TypeScript
 - github.com/TobiaszCudnik/demo-grpc-locations gRPC, Protocol Buffers, Location diffs, Jest, Express, TypeScript, Docker

2. Golang

- Open Source github.com/TobiaszCudnik/demo-distributed-wallet
 - github.com/TobiaszCudnik/jsondiffpatch-go JSON diffs, Concurrency, Benchmarks
- Demo Projects
 - github.com/TobiaszCudnik/demo-limit-order-book AVL Trees, Trading
 - github.com/TobiaszCudnik/demo-distributed-wallet Golang, gRPC, Protocol Buffers, PostgreSQL, Docker Compose, Distributed Systems

- github.com/TobiaszCudnik/demo-notifier HTTP, concurrency, throttling, queue

3. TypeScript (FE)

- Closed Source
 - **Voiceworks** SDK refactoring, WebRTC, VDOM, Strophe.js, SIP.js, XMPP, LogStash, Kibana, Flash
 - **UBS** Backbone, AsyncMachine
- Commercial Open Source
 - github.com/RiseVision/rise-react-wallet React, MobX, MaterialUI, PWA Manifest, WebUSB, Ledger integration, Desktop versions, Snap, Google Carlo
- Open Source
 - github.com/TobiaszCudnik/tasks-canvas-reborn React, React Hooks, ContentEditable
 - github.com/TobiaszCudnik/taskbot React, Next.js, Firebase, HTML
 - github.com/TobiaszCudnik/asyncmachine-inspector React, JointJS, D3.js, Workers, Socket.io, Graph Theory, Parcel
 - github.com/TobiaszCudnik/asyncmachine State machine, library, Typedoc, Rollup
- Demo Projects
 - github.com/TobiaszCudnik/todomvc-asyncmachine React, AsyncMachine
 - github.com/TobiaszCudnik/todomvc-blockstack-asyncmachine Blockchain, Blockstack Auth, Blockstack Storage, React, AsyncMachine, TypeScript

4. JavaScript (FE)

- Closed Source
 - **Hola** Angular, MongoDB, ES6, CVS
 - **William Hill** React, Redux, Redux Sagas, Flowtype, REST, Git, Docker Compose
 - **CloudFarm5** Backbone, Chaplin, REST, Canvas data visualizations, CoffeeScript, ES5, jQuery, Git
 - **Google** Closure Compiler, Closure Library, Protocol Buffers, JSDoc, Vanilla JS, ES3, Perforce, Git
 - **UBS** UI optimization, refactoring, Backbone, Mustache, porting XLSes, REST, IE7, Highcharts, ZingChart, progressive rendering, data visualization, Vanilla JS, ES5, SVN
 - **X-Team** UIs, jQuery, Facebook API, animations, ES3, Git

- **CKFinder** Custom SPA, REST, JSDoc, Vanilla JS, ES3, SVN
- **esyes.pl** UIs, jQuery, ES3
- **Netizens** UIs, jQuery, ES3, SVN
- **wiadosc.info** UIs, DOM, Prototype.js, script.aculo.us, ES3
- Commercial Open Source
 - github.com/RiseVision/rise-explorer Angular, REST
 - dev.ckeditor.com (commits) ContentEditable, AST, Selection Ranges, DOM tree transformations, browser compatibility, UIs, IE6, a11y, ARIA, JAWS, JSDoc, Vanilla JS, ES3, SVN
- Demo Projects
 - github.com/TobiaszCudnik/demo-calendar-layout Graph Theory, JSDoc, CoffeeScript
 - github.com/TobiaszCudnik/demo-progressive-tree Progressive Rendering, ES3

5. PHP

- Closed Source
 - **X-Team** Wordpress, SQL, phpQuery
 - **esyes.pl** CakePHP, Zend Framework, SQL
 - **Netizens** CakePHP, SQL, Memcached
 - **wiadosc.info** Custom CMS, SQL, client-side caching, tags, distributed download system
- Open Source
 - code.google.com/archive/p/querytemplates phpQuery, code generation, CSS selectors, PHPDoc
 - code.google.com/archive/p/phpquery DOM Parser, CSS selectors, Zend Framework, PHPDoc

6. Python

- Closed Source
 - **X-Team** Django, SQL, CouchDB, Job Queue

7. Mobile

- Closed Source
 - **Chessable** React Native, Expo, iOS, Android, React, Hooks, XState, ES8, Appium
 - **CloudFarm5** PhoneGap, Cordoba, Offline mode, AppStore, Play Store, iOS, Android, ES5, Backbone
- Open Source
 - github.com/RiseVision/rise-react-wallet ([commits](#)) PWA, offline, Install Prompt, iOS tweaks, TypeScript

8. Automated testing

- Closed Source
 - **UBIO** E2E, Unit, CI - Mocha, Sinon, GitHub Actions, Prometheus
 - **Hola** E2E, unit, CI - Mocha, Selenium, Sinon, custom CI
 - **Voiceworks** Unit - Mocha, Karma, Sinon
 - **Google** E2E, unit - WebDriver, Closure Library, custom CI
 - **X-Team** Unit, CI - Django, SaaS CI
- Open Source
 - github.com/TobiaszCudnik/tasks-canvas-reborn E2E, unit: Jest, Cypress.io
 - github.com/RiseVision/rise-react-wallet E2E, unit, CI: Jest, Cypress.io, Travis CI
 - github.com/TobiaszCudnik/taskbot Unit: Jest
 - github.com/TobiaszCudnik/asyncmachine Unit: Jest, Sinon
 - github.com/TobiaszCudnik/wsti-thesis-2012 Unit: Mocha
 - dev.ckeditor.com E2E, unit: Selenium, custom testing framework
 - code.google.com/archive/p/phpquery Unit: PHPUnit

9. DevOps

- Closed Source
 - **UBIO** Google Cloud, Kubernetes, Grafana, Prometheus, Docker
 - **Voiceworks** LogStash, Kibana
 - **CloudFarm5** Docker, Linux
 - **X-Team** Heroku, Linux
 - **esyes.pl** Linux

- **Netizens** Linux
- **wiadomosc.info** Linux
- Open Source
 - github.com/RiseVision/rise-node Blockchain node deployments, hardfork, Linux, backups, PM2, Docker, Docker Compose
 - github.com/TobiaszCudnik/taskbot Google App Engine, Google Logs, Linux

10. Product design

- Closed Source
 - **esyes.pl** URL: [WebArchive](#)
 - **wiadomosc.info** URL: [WebArchive](#)
- Open Source
 - github.com/TobiaszCudnik/taskbot URL: taskbot.app

11. Remote work

- Closed Source
 - **UBIO**
 - **Chessable**
 - **Hola**
 - **CKFinder**
 - **esyes.pl**
 - **wiadomosc.info**
- Commercial Open Source
 - github.com/RiseVision/rise-explorer
 - github.com/RiseVision/rise-node
 - github.com/RiseVision/rise-react-wallet
 - dev.ckeditor.com
- Open Source
 - github.com/TobiaszCudnik/tasks-canvas-reborn
 - github.com/TobiaszCudnik/jsondiffpatch-go
 - github.com/TobiaszCudnik/taskbot
 - github.com/TobiaszCudnik/asyncmachine-inspector
 - github.com/TobiaszCudnik/asyncmachine
 - github.com/TobiaszCudnik/wsti-thesis-2012
 - code.google.com/archive/p/querytemplates
 - code.google.com/archive/p/phpquery