

Portfolio

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Fullstack Go / TS / AI

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1. Golang

- Closed Source
 - **IDT** Microservices, Gin, Couchbase, Pulsar, internal framework, REST API, GraphQL, OpenAPI, Swagger, gRPC, Git, JSONata
 - **Taskbot** CDP, mafredri/cdp/devtool, asyncmachine-go, sec.ai, wails3, SQLite, LLM
- Commercial Open Source
 - gitlab.com/nunet/device-management-service libp2p, runtime/trace, flight recorder, CLI, go-arg, cobra, D2, SVG, OpenTelemetry, fblog, uber-go/zap, Grafana, Elasticsearch
 - github.com/instill-ai/cli CLI, Cobra, REST API, OAuth2, OpenAPI, GoReleaser, Docker Compose, Temporal
 - github.com/gravitl/netmaker Wireguard, Mesh networks, REST API, Docker Compose, CLI, Bash, Gin, SQLite, cert-manager, Eclipse Mosquitto, CPU & Memory optimizations, pprof, Flamegraph, mux, iptables
- Open Source
 - github.com/pancsta/sec.ai LLM, asyncmachine-go, aRPC, instructor-go, OpenAI, Gemini, SQL, TUI, CLI, tview/cview, go-app, WASM, HTML, asciigraph, tcell, invopop/jsonschema, fblog, ncruces/go-sqlite3, Docker, Grafana, Prometheus, gotty, ttyd, am-dbg, arpc
 - github.com/pancsta/asyncmachine-go state machine, AOP, Actor Model, worker pools, TUI, tview/cview, libp2p, D2, mermaid, net/rpc, msgpack, cmux, Prometheus, Open Telemetry, K-Phoen/grabana, gRPC, cobra, go-arg, WASM, monorepo
 - github.com/pancsta/sway-yasm gosway, net/rpc, asyncmachine-go, fzf
 - github.com/pancsta/go-libp2p-pubsub-benchmark go-libp2p, go-libp2p-pubsub, Grafana, Jaeger, sourcegraph/conc, simulator

2. Nodejs

- Closed Source
 - **UBIO** TypeScript, Microservices, Koa, MongoDB, Web Scraping, Google Travel API, OpenAPI, Data Integrity Reports, REST, Docker Compose, JSON Schema, CSV, Agenda queue, HA, 3D Security, SQL, Git
 - **Hola** Express, MongoDB, P2P, LXC, ES3, ES6, internal framework, ESLint plugins, monorepo, CVS
 - **BetVictor** Express, MongoDB, SQL, Microservices, Git

- Commercial Open Source
 - github.com/RiseVision/rise-node ([commits](#)) TypeScript, Blockchain, CLI, P2P, Web3, Docker, Protocol Buffers, nginx, PostgreSQL, CoinGecko
- 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

3. PHP

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

4. Python

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

5. Frontend (TS)

- Closed Source
 - **Voiceworks** Video Streaming, SDK, WebRTC, VDOM, Strophe.js, SIP.js, XMPP, Flash, Git
 - **UBS** Backbone, AsyncMachine, Git

- Commercial Open Source
 - github.com/RiseVision/rise-react-wallet React, MobX, REST, MaterialUI, PWA Manifest, WebUSB, Ledger integration, Desktop versions, Snap, Google Carlo
- Open Source
 - github.com/TobiaszCudnik/taskbot React, Next.js, Firebase
 - github.com/TobiaszCudnik/asyncmachine-inspector React, JointJS, D3.js, Workers, Socket.io, Graph Theory, Parcel
 - github.com/TobiaszCudnik/asyncmachine State machine, library, Typedoc, Rollup

6. Frontend (JS)

- Closed Source
 - **Hola** Angular, MongoDB, ES6, monorepo, 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, monorepo, 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, SDK, Selection Ranges, DOM tree transformations, browser compatibility, UIs, IE6, a11y, ARIA, JAWS, JSDoc, Vanilla JS, ES3, SVN
- Code Samples
 - github.com/TobiaszCudnik/demo-calendar-layout Graph Theory, JSDoc, CoffeeScript
 - github.com/TobiaszCudnik/demo-progressive-tree Progressive Rendering, ES3

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
 - **Instill** Unit, CI - Testify, GitHub Actions
 - **IDT** System, CI - Testify, GitHub Actions, GitLab Pipelines, gofakeit
 - **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
- Commercial Open Source
 - gitlab.com/nunet/device-management-service Unit, Integration, E2E, Acceptance: stretchr/testify, cucumber/godog
 - github.com/gravitl/netmaker Unit, Integration, CI, Load: Testify, GitHub Actions
 - dev.ckeditor.com E2E, unit: Selenium, custom testing framework
- 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
 - code.google.com/archive/p/phpquery Unit: PHPUnit

9. DevOps

- Closed Source
 - **IDT** k8s, Grafana, Prometheus, Argo CD, Graylog
 - **UBIO** GCP, k8s, Grafana, Prometheus, Docker, Argo CD
 - **Voiceworks** LogStash, Kibana
 - **CloudFarm5** Docker, Linux
 - **X-Team** Heroku, Linux
 - **esyes.pl** Linux
 - **Netizens** Linux
 - **wiadowosc.info** Linux
- Commercial Open Source
 - github.com/gravitl/netmaker Linux, Digital Ocean, Terraform
 - github.com/RiseVision/rise-node Blockchain node deployments, hardfork, Linux, backups, PM2, Docker, Docker Compose
- Open Source
 - github.com/TobiaszCudnik/taskbot GCP, Linux