ILLIA DANKO

Software Engineer

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PROFESSIONAL SUMMARY

Overall, eleven years of working experience in the field. Have participated in various technologies and programming languages, including Elixir, Javascript, Typescript, Golang, C, C++, Java, Clojure, and Python. Started as a system engineer and was moving to the Web, and Golang, in particular. I'm strongly focused on business' needs, and as a free software user, sometimes consider contributing further back to Open Source.

TECH STACK

General Purpose Languages

| Elixir | Javascript | Typescript | Golang | C | Clojure | Python | C++ | Java |

Domain Specific Languages, frameworks and databases

| Phoenix | Html | Sass & Css & Tailwindcss | React | Bash | Makefile | CMake | Javascript | Postgresql |
| MongoDB | Elasticsearch | ArangoDB | ELisp | Lua | LaTeX | Protobuf | Graphql |

EXPERIENCE

Software Engineer
Aller Media Norway

📅 Nov 2022 – Ongoing   📍 Ukraine, UA

- Design, develop and maintain core pipeline high throughput services.
- Develop UI Web tools using upstream technologies.
- Implement internal helper tools.
- Troubleshooting high performant components.

Stack

| Golang | design, prototype, implement and maintain services using google pubsub, redis, rest api and graphql, elasticsearch, postgresql, docker and kubernetes. Write command line company centric tools.

| Typescript / Javascript / React / Next.js | implement and maintain UI admin panel using both: client and service side rending.

| Phoenix Elixir / Ecto / Tailwindcss | design and implement internal tools and services.

| Bash | ci/cd scripting.

Software Engineer
Aigent

📅 Dec 2019 – Oct 2022   📍 Amsterdam, NL

- Design, develop and maintain core pipeline services.
- Implement internal tools.
- Troubleshooting high performant components.
- Refine existing parts.
- Collaborate with clients.

Stack

`Golang` design, prototype, implement and maintain real time low latency microservies using kafka, memcached, rest api, rpcs, protobuf/msgpack, postgresql, arangodb, kubernetes. Write command line tools. Embed C libraries (cgo).

`C` write ffi libraries for other languages.

`Javascript` implement ecma5/6 compatible web applications, support react applications. Design, prototype and implement microservices using rest api, protobuf, mqtt, postgresql, kubernetes.

`Clojure` implement microservices for features using rest api, elasticsearch, mqtt. Implement internal tools.

`Python,Bash` ci/cd scripting.

Software Engineer

Omnisend

📅 Feb 2018 – Dec 2019   📍 Lviv, UA

- Design, develop and maintain high performing services.
- Cover with acceptance and e2e tests.

Stack

`Golang` design, implement and support features microsevices using rest api, grpc, nats, nsq, mongodb, kubernetes. Integrate 3d party platforms. Write command line tools.

`Javascript` Design, prototype and implement microservices using rest api, nsq, nats, mongodb.

`Python,Bash` ci/cd scripting.

Test Engineer

Here

📅 Jun 2017 – Feb 2018   📍 Lviv, UA

- Design and develop integration testing framework.
- Implement and maintain integration tests for car navigation systems.

Stack

`Python` add features, maintain a testing framework using jenkins, sqlite3, casandra, hadoop map-reduce, aws s3, ec2, route algorithms (djaextra). ci/cd scripting.

`Bash` ci/cd scripting.

Middle Software Engineer

Cisco

📅 Nov 2015 — Jun 2017   📍 Lviv, UA

- Develop and maintain gateway systems for embedded devices.
- Develop and maintain primitive components and drivers, such as, voip, iptv, vpn.
- Write technical documentation.
- Participate in dmz room setup.
- Maintain and extend dmz testing framework.

Stack

`C` write and maintain modules for embedded equipment, including character and network devices using pki, httpd, tcp, udp, ppp, cgi, soap, tr-69, tr-98, tr-181, ieee 802.11, ethernet, ipv4, ipv6, dhcp.

`Python` add features to dmz testing framework using git hooks, jenkins, cisco hardware.

Software Engineer
Inside Secure

📅 Jul 2013 — Nov 2015   📍 Lviv, UA

- Develop and maintain a stereotyped simulator for credit card vendors.
- Write and maintain integration tests.

Stack

`C++` implement and support visualization desktop gui tools (qt library), maintain nfs smartcards testing framework.

`Java` add features to mastercard nfs smardcards testing framework, maintain tools.

`Python,Bash` ci/cd scripting.

SIDE PROJECTS

https://slivce.net - Wordle Game in Ukrainian. The main aim is to reduce the russian language's influence and to get people into Ukrainian vocabulary.

LANGUAGES

English   ● ● ● ● ●

Ukrainian   ● ● ● ● ●

EDUCATION

Bachelor of Economics
Volodymyr Dahl East Ukrainian National University

📅 Sep 2010 – Jun 2013