Resume

Igor Sapozhnikov

Male, 28 years old

Residence: Russia

Telephone: no contact

✉ Email: igorsap776677@gmail.com

Citizenship: Russia, Work permit: Russia

DESIRABLE SPHERES OF ACTIVITY, WORKING HOURS, EMPLOYMENT

Information technologies, Front-end developer, Telecommunication

- Logical design, Programming
- Tech writer

Employment: part-time, full-time, design (project)

Working hours: remote, removable schedule (shifts), full-day (normal working-day), flexible working hours

Travel time to work (up to work): 40 minutes at the most

EDUCATION

Education level: **Master`s degree**

Innopolis University, Innopolis, Kazan, Russia

2022   Industrial development of applications in JavaScript

Developer of Web-interfaces, Software development (Retraining)

▶ Projects

Moscow University for Industry and Finance "Synergy", Moscow, Russia

2020   Valutation of the enterprise (business)

        Appraiser (Retraining - 850 ac.h.)

International Centre for Vocational Education, Moscow, Russia

2019   "Medical Institute of Reabilitation and Cosmetology of Z.I.Nikiforova"

        Nursing Junior Medical Brrother

Research University of Electronic Technology, Moscow, Russia

2018   Department of Microprocessor Devices and Technical Cybernetics

        Information Security. Information security audit of automated systems

Kazan (Volga region) Federal University, Kazan, Russia

2016   Department of Radiophysics

        Information Security. Information security of automated systems

---

COURSES

Training center "Informzaschita", Moscow, Russia

2019   PKI design and public key infrastructure management at Microsoft Server 2016 and Windows 10

SKILLS AND LANGUAGES

- Russian - fluent
- English - technical (level A2)

JavaScript · TypeScript · React 17 · Redux 4 · HTML5 · CSS3 · Python 3

Information Security · ComputerVision · Documentation (tech writer)

ADDITIONAL INFORMATION

Most PREFERABLE for me, is:

- remote working with part-time employment (up to 20 hours a week, up to 3 working days).
- Other options, of course, CONSIDER too.

ⓘ I don`t fulfill tasks to code writing (programming), directly during the interview.

Bellow is a brief list of knowledge, skills, competences.

Development, Design of architecture, Application testing

Tasks implemented in practice:

1. Adaptive Single Page web Application (SPA), with separate components, implementing receiving and rendering JSON objects, from third-party API, located on the Internet, saving them to the Redux storage, via Redux-Saga Middleware followed by their extraction from the storage. The application uses variables of session, developed components of adaptive pagination and object tiles, interactive changing in a color theme of the application, page navigation (react-router 6), pop-up tips, reception and sending JSON objects received from the developed local server (node.js, express 4, TypeScript), taking into account CORS. Express Server, executes sending, receiving and parsing body of objects, writing to a file, sending data, in accordance with request of the front-end. Part of the functionality of the application and UI is covered with tests (Jest, Testing-Library);

2. Program for detecting and capturing an image, executes embedding a video stream to the captured image area (with the corresponding perspective transformation) in to the current video stream (Python 3, OpenCV);

3. Program for searching a rotation and translation vectors of the existing perspective relative to the warped perspective (homography matrix), taking into account the pre-known linear dimensions of the object. The calibration matrix is formed during of executing of the program. The program outputs an approximate distance to the object, without building a depth map;

4. Automation of image package editing (Bash Script, ImageMagic);

5. 2D interactive Windows game (simplified similarity of checkers) with moving figures by field. It`s possible to play with a computer and choosing a difficulty level - calculating of depth of possible moves of the player, from 1 to 3 (C++, Win

GDI+);

6. Application with UI for Android API7, for processing of an selected image (QT, Android SDK);

7. Programs implementing various algorithms of steganography, encryption and analysis of the ciphertext: substitution cipher, frequency analysis of ciphertext, M-sequence, cryptographic hash-function (C++);

8. Modelation of program objects and their interaction (UML: use case diagram, class diagram, statechart diagram);

9. Automation of the process of obtaining, analyzing and accumulating data from equipment National Instruments (NIVisa), Tektronix (TekVisa), digital signal processing, data visualisation presented in CSV, text formats (MatLab);

Skills and knowledge:

1. Git (terminal, GUI), GitHub;

2. REST, SOAP, RPC;

3. JavaScript ES6, TypeScript 4.4, БЭМ, Node.js 12, HTML5, CSS3 (grid layout, flexbox, media, animations), React, React-Router 6, React-Redax 7, Redux-Saga, Express 4, CORS, Axios, GraphQL, i18next;

4. Jest 26, Testing-Library, Selenium WebDriver (CSS Selector, XPath, execute script, waits), ISTQB Glossary, TDD (Test-Driven Development);

5. Python 3 (Django 3, BeautifulSoup4 (WebScraping), NumPy, SciPy, CVS, OpenCV, Pandas, Anaconda, Jupiter Notebook, SQLLite3), SQL, RegExp (regular expressions);

6. OpenCV (edge detection, image segmentation, perspective transform, homography, tracking objects, augmented reality);

7. Bash Script, PowerShell;

8. Matlab, C#, C++, Assembler, programmation of microcontrollers: Atmel, STM32;

9. Regulatory framework and standards (ISO/IEC 7816; ISO/IEC 14443; ГОСТ 2.X ЕСКД; ГОСТ 19.X ЕСПД; ГОСТ 34.X);

Information/Telecommunication technologies, Cryptography, System administration/Computer system interaction

Tasks implemented in practice:

1. Basic settings of MikroTik Router (updation, DHCP, NAT, VLAN, Firewall (L3), QoS);

2. Basic settings of Samba3 (Standalone Server, share, printer), netplan, fstab, systemctl, access rights to files and directories;

3. Deploy and configuration virtual infrastructure for network activity monitoring: CentOS 7 (netplan, iptables), Windows 10 (group policy), Squid Proxy (setting up loggation), Splunk (Getting data into splunk, finding fields, searching, forwarder,

reporting, creating a dashboard, SPL (Search Processing Language), applications);

4. Deploy and configuration Microsoft Certification Authority Center (release of certificates (including Russian crypto algorithms); setting up the certificate request page (IIS-server), automation of the process of release sertificates);

5. Security order of personal data when processing them in ISPD;

6. Protection profile for subsystem of management discretionary access;

7. Technical (pilot) design of protection system of ISPD;

8. Program and methods of information security audit ISPD.

Skills and knowledge:

1. Hyper-V, Vmware (vSphere), QEMU (virt-manager), Android Virtual Device, Oracle VirtualBox;

2. OSI, IPv4, IPv6 (Neighbour Discovery, ICMPv6), Cisco iOS (Cisco catalyst), EIGRP, OSPF, VLAN, VPN, IPSec (AH, ESP, IKEv1/v2), PKI, PNAC, SMTP (SPE, DKIM), POP3, IMAP, DNS, DHCP, NAT, ARP, ICMP (types/codes), STP, TCP/IP, SSL/TLS, DMZ, SSH, OpenSSL, iptables, ACL, HTTP, Cookies, Super Cookies); three-level and peer-to-peer network models;

3. Docker (image, container, volume (mount), networking, system, dockerfile, docker-compose 2.4, kitematic);

4. Jenkins (Create jobs, parameterized jobs, build command, build triggers, SCM check, Cron expression, Git integration, create nodes, Thin Backup, Job Config History);

5. Max Patrol, Qualys;

6. IDS/IPS Suricata, Wireshark, Burp Suite (proxy, interception, request modifications);

7. OWASP TOP 10;

8. Kaspersky endpoint security (Kaspersky security center);

9. OS: CentOS (network configuration) Fedora, Solaris, Ubuntu, Windows Server 2008/2012 R2/2016/2019 (group policy, active directory, IIS server, Certificate Services, DHCP Server, DNS Server, Routing and Remote Access, Windows Sysinternals, rdp);

10. Principles of some attack types (SYN Flood, DDoS Syn Flood, IP Options, Fragmentation attacks, DNS Spoofing);

11. Basics of cryptography (additive stream ciphers, block ciphers, substitution cipher, frequency analysis of ciphertext, RSA, AES/CCMP, TKIP, cryptographic hash-function, M-sequence, Diffie-Hellman algorithm, key stretching functions, PBKDF2, One-Time Password - OTP, Universal 2nd Factor – U2F, Secure Quick Reliable Login – SQRL), ITU x.509, ITU x.500, RFC 3280, PKCS;

12. Regulatory framework and standards ФСБ, ФСТЭК, Минкомсвязь, Роскомнадзор (Приказ ФСТЭК № 21, 31, 17, 239; N ПП РФ N 211; ПП РФ N 1119 Приказ Роскомнадзора от 30.05.2017 N 94; Профили защиты (ФСТЭК);

13. Приказ ФСБ N 378; Приказ ФАПСИ N 152 (Direction of CIPE); ФЗ-63 (About digital signature);

14. Приказ ФСБ N 795, 796 (Signature certificate);

15. Regulatory framework and standards Bank of Russia (ФЗ-395-1 (О банках и банковской деятельности); Налоговый кодекс (Налоговая тайна); СТО БР ИББС; ГОСТ Р 57580.1-2017 Безопасность финансовых (банковских) операций);

LINKS ON EXTERNAL RESOURCES

1. GitHub: https://github.com/IgorSapozhnikov
2. HabrCareer: https://career.habr.com/cabriolet-extra
3. HeadHunter: https://hh.ru/resume/cf550824ff07a4a36b0039ed1f324968623663
4. SuperJob: https://superjob.ru/resume/front-end-developer-47387039.html