bulgarus@inbox.ru   +7.910.4350429   skype: burgcom

Ilya Shlyakhovoy — Full stack Web Development Engineer

PROFESSIONAL SUMMARY

A web development engineer with more than 15 years of practical experience in the development of various web sites and web applications. Has strong knowledge of the frontend and backend development. Has development sites using pixel perfect and adaptive markup. Has practical experience in software development methodologies - Agile and Scrum. Enjoys designing fast and quality web sites that solves complex problems. Strives to conduct researches and investigate new technologies. Applies experience in managing tasks and projects to achieve high goals.

TECHNOLOGY SUMMARY

Languages:	JavaScript, Erlang, PHP, Solidity
Architectures	MVC
DBMS:	MySQL, PostgreSQL, MongoDB, GraphQL
Methodologies:	Scrum, TDD, Design patterns, Object-oriented programming, Functional programming
Version Control:	Git
Frameworks and libraries	Node.JS, React, Vue.JS, Redux, Mobx, Koa, Apollo
Test environments	Mocha, Jest
Design skills	CSS, SASS, Less, Pixel perfect

bulgarus@inbox.ru   +7.910.4350429   skype: burgcom

KEY TECHNICAL SKILLS

SKILL	LEVEL
Frontend web development using JavaScript	**advanced**

- Implementing MVC architecture in web applications.
- Communicate with server backends using WebSockets, GraphQL and REST connections.
- Implementing blockchain technologies using Ethereum network.
- Development of application structure.
- Development of visual components, creation of pure components and component containers.
- Development of client-side application stores and interaction with it.
- Time-based and resource-based animations.
- UI/IX development.
- Using React+Redux/MobX and Vue.JS frameworks.
- Realizing modern software development patterns.

Backend web development using JavaScript	**advanced**

- Using KOA and Express frameworks for interaction with client side.
- Implementing key-based and role-based user authentication.
- Implementing JWT for the access restriction.
- Development of database communications using ORM and direct queries.
- Using synchronous and asynchronous technologies.

CSS and web layout	**advanced**

- Creation of the pixel perfect and responsive web layouts.
- Using CSS4, Less and SAAS technologies for the components styling.
- Using grid-based and flex-based component layouts.

Git   **advanced**

· Using Git flow pattern

· Resolving conflicts

· Working with pull requests (code review and merge)

· Cherry picking

Solidity   **advanced**

· Developing of the Ethereum tokens using ERC20 and ERC721
  token standards.

· Creation of complex smart contracts.

Erlang   **advanced**

· Developing of the fast and multithreading backend
  applications.

· Implementing communication with MySQL, PostgreSQL, MongoDB
  databases.

· Creation of domain-based and role-based user
  authentication.

· Development of the application clusters and it's internal
  communication.

· Using microservice architecture.

Development methodologies   **advanced**

· Agile

· TDD

· Object-oriented programming

· Functional programming

· SOLID

· Design patterns

Software architecture   **advanced**

· Development of the application life cycle

· Creation of the application architecture and internal
  communication.

· Development of the communications and communication
  protocols between frontends and backends.

· Creation of domain-based and role-based user access.

PROFESSIONAL EXPERIENCE

SQVR, INC

Frontend Team Lead and Senior Frontend Developer

SQVR

SQVR is a Russia-based platform, targeted to create the place for team building management. Web application developed to realize the platform for people interaction.

Personal results, as a frontend team lead on the project:

● Analyzed existing JS code to make decision whether it will be refactored

● Re-implemented connection with backend server and authentication logic using GraphQL instead REST

● Refactored landing page application design using responsive and pixel perfect techniques.

● Organizing the mutual work of 5 developers

● Worked as project manager: manage the tasks, decompose the high level tasks to the small chunks.

● Worked as release-manager: filled in release notes, set up and control automated CI/CD process

Development Environments: Visual Studio Code, Apollo browser

Iconic 000

Senior Software Development Engineer

Harbour control web application

Blockchain-based web application for the harbour control.

Language: JavaScript

bulgarus@inbox.ru   +7.910.4350429   skype: burgcom

Responsibilities:

- Develop the frontend using React, Redux and Material UI
- Using Web3 for the Ethereum blockchain communication
- Develop the smart contracts for the data storage
- Develop the backend as middle layer using MongoDB
- Providing code reviews

Personal results:

· As a senior software engineer on the project develop and control the development of:

- Frontend application architecture
- Custom UI frontend
- Frontend and backend communication
- Backend application architecture
- Smart contract with Ethereum network
- MongoDB database structure

Technologies used: MVC, Node.JS, React, Redux, Solidity, Ethereum, MongoDB, WebSockets

Development Environments: Visual Studio Code

Russian Railways carraige control web application
Blockchain-based web application for the control over leased carriages.
Language: JavaScript

Responsibilities:

- Develop the frontend using React, Redux and Material UI
- Using Web3 for the Ethereum blockchain communication
- Develop the smart contracts for the data storage

Personal results:

· As a single software engineer on the project develop the:

- Frontend application architecture
- Custom UI frontend

- Frontend and smart contract (Solidity) communication
- Smart contract with Ethereum network

Technologies used: MVC, Node.JS, React, Redux, Solidity, Ethereum

Development Environments: Visual Studio Code

PharmHub OOO

Project Manager

PharmHub web application
The marketplace for the drug stores and pharmacy traders.

Language: JavaScript

Personal results:
- Control the team of developers and support
- Making the monthly reports for the customers
- Helping to move the frontend application from the Angular to the React
- Control the frontend testing team

Technologies used: MVC, Node.JS, PostgreSQL, Scrum, Angular

BulgaRus BG Llc

CEO and Senior Software Development Engineer

Custom financial data analytic applications.
The bunch of small financial analytic intranet applications.

Language: JavaScript, Erlang

Responsibilities:
- Design, develop and support the applications
- Provide code optimizations
- Provide code review
- Ensure high code design standards
- Implement complicating UI approaches
- Implement data analytic algorithms

bulgarus@inbox.ru   +7.910.4350429   skype: burgcom

Personal results:

· With my team developed and distributed more than 10 intranet
applications from scratch

Technologies used: MVC, Node.JS, React, JQuery, Erlang, Mnesia, PostgreSQL

NaMomenta payment kiosks system.
The full payment kiosks system, including hardware design, UI frontend,
backend, interaction with provider's APIs.
Language: ActionScript, JavaScript, C++, Erlang

Responsibilities:

● Control of design, develop and support the whole platform
● Provide code review

Personal results:

● With my team developed the complete payment kiosks system.
● Created the drivers for communication with Innovative Technologies bill
  and coin acceptors.
● Develop the three different implementations of connecting the customer APIs with
  backend.
● Develop the weather-proof payment kiosk system.
  ·

Technologies used: MVC, ActionScript/Flash, C++, Erlang, Mnesia, PostgreSQL,
MongoDB

EDUCATION

Computer Science Engineer, *Moscow State University of Electronics and
Mathematics, Moscow*