NICK URALTSEV

Software Engineer

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Summary

I am a Software Engineer with more than 10 years of experience designing and developing complex software solutions using various technology stacks including Node.js/React/MySQL, .NET/SQL Server, and more. Passionate about building high-quality software with clean, readable, and maintainable code. Constantly learning and experimenting with new technologies.

I'm currently most interested in projects involving React and Node.js.

Skills

General	RESTful APIs, Object Oriented Programming, Functional Programming, Concurrent Programming, Reactive Programming, Database Design, Test Driven Development
Languages	JavaScript (ES5, ES2015, ES Next), TypeScript, C#
Front-end	React, Redux, MobX, React-Router, React-Bootstrap
Back-end	Node.js, Koa, Koa-Router, Express, Sequelize, Joi
	.NET, ASP.NET Web API, WCF, Entity Framework, Enterprise Library, Unity Container, Topshelf
Utilities	Lodash, Moment.js, Immutable.js
Testing	Jasmine, Jest, Mocha, Should, Chai, Karma; MSTest, NUnit, Moq; Selenium
Tools	npm, Babel, ESLint, Webpack, Browserify, Typings, PM2
Databases	MySQL, SQL Server, SQLite
Markup	XML, HTML, CSS, SASS, Markdown
VCS	Git, TFS, SVN
Other	WebSocket, Thrift, Amazon Web Services, Active Directory

Open Source

Here are some of the open source projects I work on (please see my GitHub page for a full list).

- **axios** (core team member) - Promise based HTTP client for the browser and Node.js. (300k downloads per month.)

- **finity** - Finite state machine library for Node.js and the browser with a friendly configuration DSL.

- **task-management** - Task management application built using Node.js, React, MobX, Koa, Sequelize, and MySQL.

Employment

Senior Software Engineer

ThinAir

November 2016 - Present

Senior Software Engineer / Team Lead

Intermedia.net

November 2008 - November 2016

SecuriSync

SecuriSync is an enterprise-class file sync, sharing, and backup service that works across a variety of devices.

- Designed file synchronization algorithms
- Designed RESTful APIs that are used by SecuriSync client applications to interact with the back-end
- Designed and developed the first version of SecuriSync Desktop App, a highly concurrent .NET application that synchronizes files between the local computer and the server in real-time
- Designed and developed SecuriSync Control Panel, a React-based web application that allows customers to perform various administrative tasks, such as managing users, devices, storage settings, and more
- Designed and led the development of a Node.js/MySQL back-end system
- Designed and developed an integration between SecuriSync and Active Directory
- Prototyped a React-based application that runs on Electron and provides a UI to the SecuriSync file synchronization engine
- Built and led a highly efficient team of 10 Software Engineers and 6 QA Engineers
- Conducted design and code reviews to ensure architectural alignment and quality
- Introduced new technologies into the team including Node.js, React, and Electron
- Led the team in moving toward a microservices architecture
- Worked closely with Product Management to define requirements, scope releases, and develop product roadmaps

Technologies used included React, Redux, MobX, React-Router, Node.js, Koa, Sequelize, MySQL, .NET, ASP.NET Web API, WebSocket, Thrift, SQL Server.

[HostPilot](#)

HostPilot is a web-based control panel that allows customers to manage their cloud services.

- Led the design and development of new HostPilot modules including Hosted PBX, Encrypted Mail Gateway, and more
- Refactored legacy modules to align them with new design
- Helped to adopt new technologies including Enterprise Library and Unity Container
- Provided leadership to a team of 3 Software Engineers
- Conducted code reviews to ensure code quality

Technologies used included .NET, WCF, Enterprise Library, Unity Container, SQL Server.

Senior Software Engineer / Team Lead

Scoros International

May 2005 - October 2008

Eluma

Eluma was a personal productivity tool that allowed users to collect, organize, and share web content. Eluma was launched in 2006 and won DEMOgod Award at DEMOfall '06.

- Designed and developed core back-end components
- Designed and developed RESTful APIs
- Built infrastructure for message queueing and asynchronous task processing
- Provided leadership to a team of 5 Software Engineers
- Mentored junior team members and conducted code reviews
- Worked closely with stakeholders to define and prioritize requirements

Technologies used included .NET, Web Forms, WCF, SQL Server, MSMQ, and Windows Services.

Other Projects

Prior to Eluma, I worked on a reporting system for a CDN provider. Technologies used included Java, JSP, Struts, Oracle Database.

Education

Master of Science in Applied Mathematics

Peter the Great St. Petersburg Polytechnic University — St. Petersburg, Russia

Certifications

- Microsoft Certified Professional
- MCPD: Web Developer 4
- MCTS: .NET Framework 4, Web Application
- MCTS: .NET Framework 4, Data Access
- MCTS: .NET Framework 4, Service Communication Applications

Recommendations

Recommendations are available on my [LinkedIn page](#).