

# 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

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

[Intermedia.net](#)

*November 2008 - Present*

### 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](#).