

# ANDREI BUNTSEV

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## SUMMARY

- Senior full stack developer with over ten years of experience.
- Demonstrated strong software development skills along strong commercial experience in developing web and desktop applications using NodeJS, JavaScript, AWS, .NET technologies.
- Strong team player under critical business environment conditions.
- Strong analytical skills.
- Experience in developing self-explanatory interfaces.
- Successful experience of working with remote international teams and clients in large distributed systems.

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## KEY SKILLS

- |                        |                                       |
|------------------------|---------------------------------------|
| • JavaScript           | • NodeJS                              |
| • React                | • ExpressJS                           |
| • AWS                  | • Microsoft .NET                      |
| • Redux                | • Microsoft SQL Server                |
| • TypeScript           | • MongoDB                             |
| • HTML, CSS            | • SQLite                              |
| • C#                   | • Version control: GIT, TSF, SVN, CVS |
| • ASP.NET, ASP.NET MVC | • TeamCity, Octopus Deploy, PM2       |

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## WORK EXPERIENCE

**MilieuLabs**

Sydney, Australia,  
25/22 Hudson Avenue, Castle Hill

StartUp - launch planned in April 2021

### ***Full Stack Developer (Cloud Engineer)***

**Dates:** 09/2020 - to-date

**Project description:** Manufacturing & distributing own smart thermostat.

**My Role:**

- AWS engineering, design and programming including (but not limited by) the following services:
  - IoT Core (MQTT) is used as a main telemetry and state management system;
  - Lambda & API Gateway are used as REST API;
  - DynamoDB is a data base;
  - Cognito is used for managing user pool and for OAuth2 authentication;
  - CloudFront for hosting static internal website;
  - S3, Route53, IAM, SNS, CertificateManager, CloudWatch, ...
  - Serverless deployment
- Web development (device dashboard), technologies used: Aurelia, TypeScript, D3, IoT, Cognito, gulp
- Thermostat hub GUI development, technologies used: JavaScript, TypeScript, D3
- Integration with Alexa & Google Assistant

**Senior Full Stack Developer****Project name:** Phoenix Orion**Dates:** 05/2019 - to-date**Project description:** Reworked web version of the old-fashioned Phoenix desktop application.

**My Role:** Initially I came up with the idea of creating Web-based Phoenix in May 2019. After a month of discussions with directors and users I started development from scratch in June 2019 as the only developer. Since October 2019, 2 more guys joined the team on a part-time basis. The demo version ( <http://orion-demo.andreibuntsev.com:8080> ) demonstrates some functions. The data is available for a week period. The first production release has been done in December 2019. Phoenix Orion is a React-based web application created with using the 'create-react-app' tool. Redux is used as the state management system. About 80% modules are written in TypeScript. Most used UI elements of 'react-bootstrap' library. Styling is implemented with Sassy CSS (.scss) and inline styles. Backend is based on the NodeJS runtime. Backend API is built using ExpressJS. In actual application MSSQL Server is used as DB server, but for demo purposes a piece of data has been transferred into MongoDB. As a logging system used Winston. Detailed project description and screenshots could be found on my portfolio website ( <https://andreibuntsev.com/#/projects/orion> ).

**Technologies applied:** JavaScript, TypeScript, NodeJS, ExpressJS, MSSQL, MongoDB, React, Redux, TeamCity, Octopus Deploy, PM2, Git.

**Project name:** Phoenix**Dates:** 02/2011 - to-date

**Project description:** Broadcast management system which is responsible for scheduling of all content that airs on TV Australia-wide.

**My Role:** As working on the project since 2011, there hardly is a module I did not touch. Besides doing whole the full stack job (creating stored procedures, adding data access layer entities, mastering business logic, configuring WCF and IIS, building UI modules, writing unit tests), my responsibility includes various management functions like planning sprints, splitting work into Jira tickets, reviewing pull requests from other developers, mentoring junior developers etc. Detailed project description and screenshots could be found on my portfolio website ( <https://andreibuntsev.com/#/projects/phoenix> ).

**Technologies applied:** .NET 4.7, WPF, C#, MSSQL 2016, WCF, Nant, TeamCity, Git.

**Project name:** Saturn**Dates:** 06/2016 - 05/2019

**Project description:** Internal advertisement booking system.

**My Role:** Adding new functions involving full stack work. Server side: MSSQL Server - creating tables and stored procedures, data access layer – building data contracts using entity framework, business logic level – adding/updating logic modules inside complex hierarchical structure using IoC approach (autofac is used as IoC container). Client Side: Creating new / updating existent screens in the desktop application using WPF, strongly following the MVVM pattern, Telerik was the mostly used UI library. As communication layer, WCF has been used, I added / updated contracts, bindings, configured connectivity via WCF config files.

**Technologies applied:** .NET Framework 4.7.2, MSSQL 2019, Entity Framework, Autofac, WCF, IIS, WPF, C#, Git.

**Project name:** Voyager**Dates:** 10/2018 - 05/2019

**Project description:** Australia's self-serve TV advertising platform.

**My Role:** Being focused on performance, creating various functions for the web UI using vanilla JS (ES5) targeting for the IE browser. Also building more complex modules using 3D-party libraries like JQuery, D3, C3. Based on that work I created several blog posts for my personal blog that could be used as the source of work examples. Also, my responsibility was creating new web services on the server side to provide necessary functionality for the web side.

**Technologies applied:** .NET Core 2.2, JavaScript, JQuery, IdentityServer, Git, C#, IIS.

IT-company providing software development  
services in the USA, South America,  
Europe, Australia <http://aexsoft.com/>

**Full Stack Developer**

02/2010 - 12/2017

**Senior Full Stack Developer for Nine Network Australia (<http://www.nine.com.au>)**

**Project description:** Broadcast management system which is responsible for scheduling of all content that airs on TV Australia-wide.

**Technologies applied:** .NET 4.0, WPF, MSSQL 2014, WCF, NUnit, TeamCity.

**Project name:** Science Data Studio

**Dates:** 04/2009 – 01/2010

**Project description:** Desktop Application for plugging in external libraries.

**My Role:** Building user interfaces, creating plugin interfaces, writing unit tests.

**Technologies applied:** .NET 3.5, C#, WPF, DevExpress, Unit Testing.

**Project name:** Stocker

**Dates:** 11/2008 – 04/2009

**Project description:** Accounting, management of the store stock including recording deliveries, sells etc.

**My Role:** Working along with a team leader, reworking .NET 1.1 stocker desktop application written in VB into the modern WPF-based application.

**Technologies applied:** .NET 3.5, C#, WPF, MSSQL Server 2005.

IT-company providing software development  
services in Russia, the USA and Europe  
<https://www.technologika.ru/>

**Front End Developer**

**Project name:** Blue Archer

**Dates:** 11/2007 – 11/2008

**Project description:** Building web sites for the customer from Pittsburgh, USA ( <https://www.bluearcher.com/> ).

**My Role:** Working along with a designer, have built more than 20 simple websites during the entire period. Some of websites were based on the existent content management system.

**Technologies applied:** ASP, JavaScript, VBScript, IIS, HTML, CSS.

**Project name:** ASF

**Dates:** 05/2007 – 11/2007

**Project description:** Digital version of Faeroese-English dictionary for a customer from Faeroe Islands.

**My Role:** Working and being totally responsible for CD-edition of the dictionary. Whole app included Web-edition, Desktop App and CD-edition.

**Technologies applied:** .NET 3.0, C#, XML, Windows Forms, TFS.

07/2006 - 05/2007

IT branch of Russian National Railways

**Programmer**

- Developed, introduced and supported corporate software and hardware in accordance with the corporate automation plan;
- Developed users' GUI;
- Integrated hardware and appropriate software;

- Ensured seamless integration of various soft;

**Achievements:** Was promoted twice within two years to position of Programmer.

04/2005 - 07/2006

**Locomotive Depo**

Novosibirsk, Russia,  
80 Depovskaya Street

Branch of Russian National Railways

***Programmer-engineer/Systems administrator***

- Provided IT admin support to local area network – 60 PCs, three servers, 15 hubs, eight ADSL modems;
- Managed MSSQL sever 2000;
- Provided admin support for corporate software: C#, VBA MS office, 1C;
- Fixed hardware and software glitches;
- Trained and consulted corporate users.

**Achievements:** Got management awards for innovations and forward thinking.

## FORMAL EDUCATION

**2004** Siberian State University of Geosystems and Technologies (Siberian State Geodetic Academy), Degree in Economics and Management

## MICROSOFT CERTIFICATIONS

70-433: SQL Server 2008, Database Development	2010
70-505: Microsoft .NET Framework 3.5, Windows Forms Application Development	2010
70-502: Microsoft .NET Framework 3.5, WPF Application Development	2011
70-511: Windows Application Development with Microsoft .NET Framework 4	2011
70-486: Developing ASP.NET MVC Web Applications	2013

<https://mcp.microsoft.com/Anonymous//Transcript/Validate>

Transcript ID: 929900; Access Code: abuntsev2010

## FREECODECAMP.ORG CERTIFICATIONS

JavaScript Algorithms and Data Structures	2019
<a href="https://www.freecodecamp.org/certification/andreibuntsev/javascript-algorithms-and-data-structures">https://www.freecodecamp.org/certification/andreibuntsev/javascript-algorithms-and-data-structures</a>	
Responsive Web Design	2019
<a href="https://www.freecodecamp.org/certification/andreibuntsev/responsive-web-design">https://www.freecodecamp.org/certification/andreibuntsev/responsive-web-design</a>	
Front End Libraries	2019
<a href="https://www.freecodecamp.org/certification/andreibuntsev/front-end-libraries">https://www.freecodecamp.org/certification/andreibuntsev/front-end-libraries</a>	
APIs and Microservices	2019
<a href="https://www.freecodecamp.org/certification/andreibuntsev/apis-and-microservices">https://www.freecodecamp.org/certification/andreibuntsev/apis-and-microservices</a>	

## HARVARD CERTIFICATIONS

Mobile App Development with React Native	2020
<a href="https://cs50.harvard.edu/certificates/c1ef2edd-64c9-49d0-8221-33737f0012c5">https://cs50.harvard.edu/certificates/c1ef2edd-64c9-49d0-8221-33737f0012c5</a>	

## AMAZON CERTIFICATIONS

AWS Developer – Building on AWS	2020
<a href="https://courses.edx.org/certificates/060ad7264624457d8e959424d1b8a7d4">https://courses.edx.org/certificates/060ad7264624457d8e959424d1b8a7d4</a>	

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## **LANGUAGES**

English, Russian.

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## **PROFESSIONAL REFERENCES**

Available at the interview.