

ANDRIY BUDAY Software Engineer | Staff SWE at Google | ex-Amazon | 15 YOE

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I have a passion for writing quality code that makes impact and truly helps businesses and organisations in achieving their goals. In the course of 15+ years, I have created software for healthcare, entertainment, nuclear energy, e-commerce, ads.

Programming languages	Java (proficient), C++ (proficient), JavaScript (proficient), C# (expert), SQL (proficient), Go (basic)
Past experience	Backends (8y), Web & Full Stack (4y), Desktop (2y), Mobile (1y)
Frameworks, tools, and other skills	DynamoDb, S3, SNS, SQS, and other AWS/Amazon tech; EmberJS, REST, HTML/CSS/XML/JSON, Angular, React, and other frontend tech; MSMQ, ASP.NET, WCF, WPF, .NET CF, MS SQL, ADO.NET, EF, and other MS tech; NHibernate, Autofac, Unity, NUnit, Rhino, NCover, TDD, Load Test, QUnit, Selenium, NAnt, and other CI/CD tooling/tech; I created software for engineers at Google.

Staff Software Development Engineer – Google, Vancouver, Canada Aug 2020 – Present

I work on backend infrastructure for other engineers at Google. I lead a small team.

- Created unification and convergence strategy for Google's experimentation framework usage in Ads. I am working on expanding the strategy and my team around it with the end goals of saving MMs \$ for Ads and keeping infra reliable.

Sr. Software Development Engineer – Amazon, Vancouver, Canada Jan 2018 – Jul 2020

I worked in international expansion organization of Amazon Fulfillment Services. I lead a "two pizzas" size team.

- Launched a fulfillment channel program in one of the global markets and post launch solved business scalability issues allowing for MMs \$ in savings and MMs in customer orders. Work involved creating and integrating a new backend service, as well as changes to six other services. Received individual org level (300+ dev) "AGNI" award for this effort in 2018.

Technical Leader, Sr. Software Developer – IAEA (UN), Vienna, Austria Jul 2013 – Dec 2017

The IAEA seeks to promote peaceful use of nuclear energy. As a staff member to the IAEA, my assignment was to be a technical liaison between two divisions and to lead a development team (4 dev). The project was a web based scientific tool.

- Designed the technical solution, established development process and code quality standards, transformed the pace of development and as result successfully launched phase I of the project, saving 40% of work time for the IAEA's analysts.

I also worked as a consultant software engineer to the IAEA on another project which was an offline capable web application.

- Implemented numerous parts of the web client using Ember.js, HTML5, Bootstrap, Handlebars, and many small libraries.
- Created the queue (MSMQ) based processing of data. Designed and implemented a synchronization system that improved data quality and increased processing efficiency. Implemented a prototype for a system improving reporting of sealing activities.

Software Developer – Bwin.Party Digital Entertainment Plc, Vienna, Austria Feb 2012 – Jul 2013

Bwin.party is an online betting company. I worked in the company's sports branch, with a team responsible for backend services. Scalability and performance were the top most requirements. Most services were exposed through REST API; they had to be available 24/7 and withstand extreme loads during championship events.

- Designed, implemented, and launched a new sports statistics system. This system imported data from an external FTP location and made it available on our website through an AppFabric Cache.
- Implemented a high load system providing bets status and history information. Service was designed to handle 7,000 requests/sec.
- Fixed a serious performance issue in the site's search engine that allowed re-launching the feature. This feature presently accounts for 10-20% of all bets placed on the sports site.
- Achieved 100% code coverage for one of the systems, wherein only a single bug was found after testing.

Technical Leader, Sr. Software Developer – SoftServe Inc, Lviv, Ukraine Apr 2008 – Dec 2011

SoftServe is a Ukrainian outsourcing company. My role was to lead a development team for a mobile application.

- Together with another Senior Developer, I led a team of eight developers and two micro teams (one and two developers).
- Implemented a custom ORM to bridge a legacy system with a part of the new application's functionality.
- Provided technical presentations on technologies used in the project (NHibernate, StructureMap, WCF, MEF).
- Was awarded the "Best Rookie Developer of 2008".

M. Sc. Ivan Franko National University, Ukraine 2005 – 2010

M. Sc. Applied Mathematics and Informatics. Diploma with distinction. Thesis in the field of artificial neural networks. I took part and won few stages of ACM sports programming competition.

Other

Writing a blog made me a better programmer: andriybuday.com. I've written a free e-book on design patterns which is popular among beginner software developers in Ukraine. I used to speak at user group events and Microsoft certificates.