

# Artur Tarasenko | Full-Stack Developer

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## Professional Experience

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### Itential

Software Engineer

March 2021 - January 2022

- Worked within R&D team to build Single Sign-On from our new cloud offering to our learning portal
  - Developed AWS Lambda service to verify user stored credentials against Keycloak IAM instance
  - Created additional Lambda service to generate temporary sign-in link to redirect to our learning portal
  - Orchestrated the two services to create an API endpoint with AWS API Gateway
  - Led developers in being first to use these AWS tools and providing documentation on their usage
- Contributed new features and improvements towards our second-gen lightweight version of extensions
  - Enabled users to use SSL options for accessing their APIs
  - Improved readability of API import errors, where previously errors wouldn't even mention line numbers
- Maintained and supported our main product engine
- Reviewed code and provided feedback to other developers

### Microsoft

Software Engineer

June 2018 - March 2021

- Built sophisticated linter to guide best-practices while developing with Office.js
  - Dynamically constructs call graph of file to accommodate complex code structures
  - Utilized Typescript-ESLint for ease of integration for other developers
  - Leveraged Typescript AST format to intelligently call out improper function calls
- Developed tool to convert tests written in one API format to another
  - Utilized Typescript Compiler API to parse through tests in old format
  - Replaced code statements with equivalent new format statements based on syntax patterns
  - Overhauled thousands of tests written with varied styles over several years to new format
- Created automated performance testing suite for developers to track performance of Office.js
  - Leveraged Mocha, Node.js, and xperf to track CPU and memory usage, disk IO, and time
  - Generated final report file that can be plugged into PowerBI for analysis
  - Developed for extensibility, so others can write their own scenarios for testing
- Collaborated with Office Native Runtime team to create testing tools and resolve C++ bugs
- Instrumented Office.js with telemetry to track performance gains
  - Displayed data with real-time report in Power BI

## Skills

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**Programming:** Javascript, Typescript, Node.js, MongoDB, AWS, NoSQL, React, React Native, Mocha, Serverless, ESLint, Typescript-ESLint, C#, Java, Python, ASP.NET, AngularJS, SQL, C, Git, Linux

**Others:** Autodesk Inventor, AutoCAD, LaTeX, Russian (conversationally fluent)

# Education

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## Georgia Institute of Technology

*Bachelor of Computer Science*

*2015 - 2018*

- Major GPA: 3.12, Overall GPA: 3.09
- Specializations in Theory and Intelligence
- Honors Program
- Study Abroad at Hong Kong University of Science and Technology
- Graduated one year early

# Internships

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## Software Engineering Intern

*Ultimate Software*

*Summer 2017*

- Developed payroll tax management suite
  - Managed, calculated, and filed payroll tax for clients with our product
  - Operated for all layers of federal, state, and local tax
  - Filed electronically, or generated printable copies when tax agency didn't support e-filing
- Worked alongside full-time developers in Kanban Agile environment
  - Code in production
  - Used Visual Studio 2017, TeamCity, JIRA in workflow
- Developed in full-stack with C# for frontend and tax logic and a SQL backend

## Software Engineering Intern

*The Home Depot*

*Summer 2016*

- Developed supplier onboarding tool
  - Replaced costly manual faxing between attorneys with Angular webapp
  - Saved over \$100,000 per year
  - Used currently with every single supplier for The Home Depot
- Replaced COBOL finance tool with Angular webapp
  - Decreased human error through automation
  - Combined several separate tools with microservices architecture
- Worked alongside full-time developers in XP environment
  - Code in production
  - Tested continuously with strict test-driven development
- Developed in full-stack with AngularJS frontend, Java middleware, and DB2 backend