Artur Tarasenko | Software Engineer

US Citizen • linkedin.com/in/arturtarasenko/ • github.com/arttarawork
+1 (678) 549 9345 • arttarawork@gmail.com

Professional Experience

Google
Atlanta, GA

Software Engineer III (L4), Play Analytics Engineering Productivity — *March 2022 - March 2024*

- Developed Bazel-based language-agnostic database schema minimization tool for unit tests
  - Reduced unit test runtime by up to 34%, dropped test flake rate by up to 93%
  - Led multiple seminars across Google Play Analytics org and wrote documentation on tool usage
  - Solved common testing issue, adopted by teams outside of Google Play less than a month after release
  - Added to company-wide utils for F1, Google's in-house distributed SQL database
- Trained in interviewing candidates for Google's onsite interviews
- Mentored junior engineers through engineering and team communication challenges
- Constructed end-to-end testing for Java-based data analytics pipelines, reducing development time
  - Mocked service endpoints and GCP Spanner databases to run test hermetically
- Created data-diffing tool for filtered data to ensure privacy compliance
  - Prepared developers for EU Digital Markets Act enforcement

Itential
Atlanta, GA

Software Engineer, Labs — *March 2021 - January 2022*

- Operated within R&D team to build Single Sign-On from Itential's new cloud offering to a 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 the learning portal
  - Orchestrated the two services to create an API endpoint with AWS API Gateway
- Expanded core product's second-gen version of extensions with new features and improvements
  - Enabled users to use SSL options for accessing APIs
  - Improved readability of API import errors, where previously errors wouldn't even mention line numbers

Microsoft
Redmond, WA

Software Engineer I, Office Developer Extensibility — *June 2018 - March 2021*

- Built sophisticated linting tool 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 call out improper function calls
- Developed tool to convert JavaScript unit tests written in one API format to another
  - Replaced code statements with equivalent new format statements based on syntax patterns
  - Overhauled thousands of tests written with varied styles 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 custom 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

Java, Python, JavaScript, TypeScript, Node.js, GCP, GCP Spanner, AWS, AWS Lambda Functions, MongoDB, NoSQL, React, React Native, Mocha, Bazel, Serverless, ESLint, Typescript-ESLint, C#, ASP.NET, AngularJS, SQL, C, Git, Linux, Windows, Autodesk Inventor, AutoCAD, LaTeX, Russian

Education

Georgia Institute of Technology   **Atlanta, GA**
Bachelor of Computer Science   *August 2015 - May 2018*

- Specializations in Theory and Intelligence
- Honors Program
- Spring 2017 study abroad at Hong Kong University of Science and Technology
- Graduated one year early

Internships

Software Engineering Intern   **Weston, FL**
Ultimate Software   *Summer 2017*

- Developed payroll tax management suite
  - Managed, calculated, and e-filed payroll tax for clients
  - Operated for all layers of federal, state, and local tax
- Embedded alongside full-time developers in Kanban Agile environment
  - Code sent to production
  - Visual Studio 2017, TeamCity, JIRA in workflow
- Full-stack with C# for frontend and tax logic and a SQL backend

Software Engineering Intern   **Marietta, GA**
The Home Depot   *Summer 2016*

- Developed supplier onboarding tool
  - Replaced costly manual faxing between attorneys with Angular web app
  - Saved over $100,000 per year
  - Adopted by every single supplier for The Home Depot
- Replaced COBOL finance tool with microservice-based Angular web app
  - Decreased human error through automation
- Collaborated with full-time developers in XP environment
  - Code sent to production
  - Tested continuously with strict test-driven development
- Developed in full-stack with AngularJS frontend, Java middleware, and DB2 backend