

Arda C. Tugay

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Software Engineer

A versatile software engineer and self-motivated learner with a passion for innovation and technology, looking for challenging and engaging experiences.

- **A Fast and Self-motivated learner** who always seeks opportunities to learn about new technologies and present findings to a diverse audience.
- **Offering innovative solutions** with experience in Scrum and Kanban software development lifecycles, from product inception to application delivery.
- **Eager to solve challenging problems** by applying knowledge in computer science (theory) and hands-on experience in software engineering.
- **Known for excellent research skills** - able to analyze source code, perform independent research, then offer cost-effective, scalable (if needed), and maintainable solutions.

B.Sc. in Computer Science and Software Engineering

Rose-Hulman Institute of Technology

Cum Laude

May, 2014

3+ Years of Experience as a Software Engineer

Bilingual (English, Turkish)

Currently self-learning topics in **Data Science and Machine Learning**

Skills

Advanced

Java, JavaScript, Angular (2+), Spring Boot, Elasticsearch

Intermediate

Swift, GraphQL, MongoDB, RxJS, NodeJS/ExpressJS, Webpack, TypeScript, PostgreSQL, Gradle

Novice

Python, OpenCV, Go, C++, Redis

References available upon request

Achievements

BPMCamp Conference

August 2016

- › Presenter: "Design: A look from an Engineer's Perspective"
- › **Second place** in experimental applications competition with "Automated Testing using Image Recognition" project

Undergraduate Research - University of Notre Dame

August 2013

- › **First Place** in poster competition with "Analyzing Speech Samples of Children for Early Diagnosis of Autism Spectrum Disorders" project

Experience

BP3 Global - Software Engineer

August 2014 - September 2017

- › Contributed to multiple full-stack enterprise applications (including but not limited to Brazos Portal and Brazos Open) and was responsible for product design, implementation, delivery, and maintenance.
- › Developed several custom applications for in-house use, responsible for research, design, implementation, and delivery, such as a scalable monitoring application and an automated testing framework.
- › Provided software engineering expertise, consulting for software projects, training on new technologies, and extending existing apps for customers.
- › Redesigned existing products to improve product performance and coding best practices to ensure maintainability, such as better naming conventions and developer-oriented documentation.

Budgeting Application - Personal Project

August 2017 - Present

- › Personal playground for increasing exposure to new technologies and improving current skills, such as NodeJS, GraphQL, and MongoDB.
- › Cultivate software engineering practices, such as prototyping and user stories