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# BERK EROL

**Website** [berkerol.ml](http://berkerol.ml)  
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**GitHub** [berkerol](https://github.com/berkerol)

## EDUCATION

Sep. 2014 **B.S. in Computer Engineering** Bogazici University Istanbul, TR  
June 2019 • GPA: 3.18/4.00 Senior Project: Identity System for Blockchain (Solidity, Node.js, MongoDB, Docker)  
• Highest Grades: Analysis of Algorithms, Data Str. & Algorithms, Systems Prog., OS, Prob. & Statistics

Apr. 2018 **Erasmus Study in Informatics** Technical University of Munich Munich, DE  
Aug. 2018 • Courses: Social Gaming, Testing, Security Eng., Project Org. & Mgmt. in SWE, Aug. Reality, 3D UIs

## EXPERIENCE

Dec. 2019 **Software Engineer** Baumeister AI Remote from Istanbul, TR for Berlin, DE  
Present • Built the infrastructure for all applications in AWS using CDK, EC2, ECS, ECR, RDS, S3, R53, IAM.  
• Dockerized a Node.js Koa application and migrated it from Elastic Beanstalk to ECS and RDS.  
• Built a sketch to PowerPoint converter using Python, Serverless Framework and AWS Lambda.  
• Created a website with auth for a handwriting recognition tool using AWS Amplify and Cognito.

Jan. 2019 **Infrastructure Engineer** Armut / HomeRun Istanbul, TR  
Dec. 2019 • Created a CI/CD pipeline for 30+ applications in AWS using CodeBuild, Jenkins and Terraform.  
• Built an automated pull request checker to run linters, tests and SonarQube analysis in Jenkins.  
• Created a release notifier to inform about commits and issues in each deployment using Node.js.  
• Improved security by removing secrets from source code and storing them in AWS Parameter Store.  
• Improved the notification system for maintainability, new business rules and regulations using C#.

Jan. 2018 **Backend Engineer Intern** Carla Car Rental Istanbul, TR  
Mar. 2018 • Made car search 1.5x faster by improving API requests, filters and sorts using Java 8 and Spring.  
• Increased revenues and customer satisfaction by adding new car rental suppliers and insurance.  
• Increased customer engagement by building a localization system for 6 languages to cover all texts.  
• Improved monitoring and error tracking by integrating Sentry for all error logs in the whole system.

July 2017 **Software Engineer Intern** OBSS Istanbul, TR  
Aug. 2017 • Got the 2<sup>nd</sup> place and won a prize in the contest by building a recruitment website from scratch using Java 8, Spring Boot, MySQL, Elasticsearch, Logstash, Maven and Docker. Available on [GitHub](#).

June 2017 **Software Engineer Intern** Khan Academy TR Istanbul, TR  
• Improved SEO by generating titles and URLs according to content for each page.  
• Increased page load speeds by 30%, fixed bugs and added frontend elements.

Mar. 2017 **Student Ambassador** IBM Istanbul, TR  
Jan. 2018 • Attended meetings, seminars, trainings and workshops to learn IBM technologies.

Oct. 2015 **Student Teaching Assistant** Bogazici University Istanbul, TR  
Jan. 2016 • Taught freshmen algorithms, data structures, sorting and searching in C.

## SKILLS

**Proficient** JavaScript (ES6+, Node.js, Express), Java 8 (Spring Boot), Git, AWS, REST APIs

**Familiar** Python, C#, C, C++, Solidity, HTML5, CSS3, GraphQL,  
MySQL, PostgreSQL, MongoDB, Elasticsearch (ELK), Unix & Linux, Docker, Jenkins, Terraform

**Concepts** Algorithms & data structures, object-oriented programming, design patterns & principles, Agile

**Interests** AI/ML/DL, AR/VR/MR, UI/UX, IoT, P2P, DApps, blockchain, cryptography, network, security

**Speaks** Turkish (Native), English (Proficient), German (Fluent, C1 level of DSD II Certificate)