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BERK EROL

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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

Jan. 2019	**Infrastructure Engineer** Armut / HomeRun	Istanbul, TR
Present	● 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 2nd 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, 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)

ACTIVITIES & SOCIETIES

● **CoderDojo Mentor at COMPEC, Bogazici University (March 2017 - May 2017)**
Voluntary work for helping children to create basic games using the MIT's Scratch tool.