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BERK EROL

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EXPERIENCE

- May 2020 **Software Engineer** Justcoach Remote from Istanbul, TR for London, UK
Present
 - Built the infrastructure for all applications in AWS using CDK, EC2, VPC, ECS, ECR, RDS, S3, IAM.
 - Dockerized Node.js and React applications and migrated them from Elastic Beanstalk to ECS.
 - Earned Cyber Essentials Plus certification by ensuring encryption at rest and in transit in AWS.
 - Achieved GDPR compliance by migrating all AWS resources from London to Ireland.
 - Reduced GitLab CI/CD cost to 2.5% of previous value and increased test coverage by 50%.
- Dec. 2019 **Software Engineer** Baumeister AI (failed startup) Remote from Istanbul, TR for Berlin, DE
Apr. 2020
 - 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.

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

SKILLS

- Proficient** JavaScript & TypeScript (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)

PROJECTS

- Apr. 2020 **Signalify (IoT Vehicle Tracking):** Java 8, Spring Boot, TypeScript, Angular 8, PostgreSQL, ActiveMQ
Present Modernized to Java 8 & Spring Boot. Added AWS Lambda with Python, analytics charts, emails, FCM.