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BERK EROL

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EXPERIENCE

- Nov. 2021 **Site Reliability Engineer** Westwing Munich, DE
Sep. 2022
 - Improved governance by creating a GUI tool to list all AWS resources in all accounts and regions.
 - Developed a GUI tool to manage ProxySQL query rules and check queries against all rules.
 - Improved RabbitMQ monitoring by creating a tool which exports metrics from API to Prometheus.
 - Developed a RabbitMQ backup tool to backup RabbitMQ configuration in all clusters to AWS S3.
- May 2020 **Software Engineer** Tendon.io / Justcoach Remote from Istanbul, TR for London, UK
Apr. 2021
 - Prepared new product for launch by developing payment systems and social network features.
 - Built the infrastructure for all applications in AWS using CDK, EC2, VPC, ECS, ECR, RDS, S3, IAM.
 - 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.
- 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.

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** Python (FastAPI), JavaScript & TypeScript (ES6+, Node.js, Express),
AWS, Kubernetes, Helm, Docker, Unix & Linux, Git, REST APIs
- Familiar** Java 8 (Spring Boot), C#, C, C++, Solidity, HTML5, CSS3, GraphQL, Terraform, CDK, Jenkins, Azure
MySQL, PostgreSQL, MongoDB, Cassandra, Elasticsearch (ELK), RabbitMQ, Prometheus
- Concepts** Algorithms & data structures, object-oriented programming, design patterns & principles, Agile
- Speaks** Turkish (Native), English (Proficient), German (Fluent, C1 level of DSD II Certificate)

PROJECTS & CERTIFICATIONS

- Oct. 2022 **Certified Kubernetes Application Developer** by Linux Foundation [Verify](#)
- Mar. 2021 **Microsoft Certified: Azure Fundamentals** [Link](#), **Data Fundamentals** [Link](#), **AI Fundamentals** [Link](#)
- Apr. 2020 **Signalify (IoT Vehicle Tracking)**: Java 8, Spring Boot, TypeScript, Angular 8, PostgreSQL, ActiveMQ
Jan. 2021 Modernized to Java 8 & Spring Boot. Added AWS Lambda with Python, analytics charts, emails, FCM.
- Dec. 2020 **Apache Cassandra 3 Developer Associate Certification** by DataStax [Verify](#)