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BERK EROL

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EXPERIENCE

Nov. 2021 Sep. 2022	**Site Reliability Engineer** Westwing	Munich, DE

- 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 Apr. 2021	**Software Engineer** Tendon.io / Justcoach	Remote from Istanbul, TR for London, UK

- 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 Apr. 2020	**Software Engineer** Baumeister AI (failed startup)	Remote from Istanbul, TR for Berlin, DE

- 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 Dec. 2019	**Infrastructure Engineer** Armut / HomeRun	Istanbul, TR

- 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 June 2019	**B.S. in Computer Engineering** Bogazici University	Istanbul, TR

- 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 Aug. 2018	**Erasmus Study in Informatics** Technical University of Munich	Munich, DE

- 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

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 & CERTIFICATIONS

Mar. 2021	**Microsoft Certified: Azure Fundamentals** Link, **Data Fundamentals** Link, **AI Fundamentals** Link

Apr. 2020 Jan. 2021	**Signalify (IoT Vehicle Tracking):** Java 8, Spring Boot, TypeScript, Angular 8, PostgreSQL, ActiveMQ 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