BURAK **LOKLU**

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Experience

An Abstract Level LLC   Madison, WI
Senior Software Engineer   Feb 2019 - Present
- Developed a scalable API platform called EffortlessAPI, enabling users to rapidly create and deploy customizable APIs with robust security and versioning controls
- Led the development of the API management platform, implementing RBAC matrix, CRUD operations, endpoint configuration, and real-time monitoring
- Reduced manual data entry and errors by more than 30% through Airtable's automation capabilities
- Designed microservices for authentication and data management, implementing a data synchronization layer for seamless integration with legacy systems.
- Technologies: *TypeScript, Go, Node.js, AWS, Airtable, PostgreSQL, Kafka, Jenkins and Docker*

Associate Software Engineer
- Developed real-time WebSocket-based collaborative whiteboard for the TMU video conferencing app
- Developed a WebRTC solution with adaptive bitrate streaming, SFU architecture, and data channels, improving video quality while reducing bandwidth usage by over 50% on low-speed networks
- Designed a scalable RabbitMQ messaging system for real-time updates, achieving sub-50ms delivery times through optimized routing and acknowledgments
- Wrote extensive unit and integration tests to validate API functionality, with overall code coverage of 90%
- Technologies: *JavaScript, Go, Node.js, Angular, AWS, MySQL, WebRTC, RabbitMQ, Postman and Docker*

Mimcrea Web Software   Esenler, Istanbul
Software Engineer, Intern   Feb 2017 - Jun 2017
- Developed a user authentication system at the API gateway, reducing processing load and improving response times by 40% for 1K+ concurrent users
- Implemented asynchronous image uploads using background processing, reducing average upload time from 11 to 3 seconds through optimized task handling
- Technologies: *Python, Django, MySQL, REST, RabbitMQ, Celery, Pillow, JWT, Git*

Noktahost   Cekmekoy, Istanbul
Software Engineer, Intern   Jun 2016 - Sep 2016
- Built a control component for NoktaPanel account management, cutting yearly support requests by 1.5K+
- Technologies: *JavaScript, Node.js, MySQL, Jest, jQuery, Git*

Education

Istanbul Nisantasi University   Istanbul, Turkey
Bachelor of Science in Computer Science   Sep 2013 - Jun 2017

Skills

Languages: Python, Go, JavaScript, TypeScript, SQL, HTML, CSS
Technologies: AWS, Node.js, React, Angular, PostgreSQL, MySQL, PyTorch, TensorFlow, GraphQL, Docker

Personal Projects

Gessor.AI   Built a machine learning-based platform predicting football match results and player stats
                  Technologies: *Python, Django, React, PostgreSQL, REST, PyTorch, AWS*