# ALICAN SUNGUR

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## 🖥 EXPERIENCE

### Co-Creator & Software Engineer, Bastion *(Remote)*                                 **Feb 2022 - May 2022**

*Bastion (bastion-baas.github.io 🔗) is a customasible, open-source Backend-as-a-Service that gets deployed to the cloud with AWS allowing a front-end developer to quickly set up a backend while maintaining control of the code and infrastructure.*

- Built Bastion's data persistence, collection management, authentication, file storage and cloud code APIs using Node, Express, MongoDB, S3 and AWS Lambda.
- Led design and implementation of Bastion's AWS infrastructure including networking, security, scaling using AWS CloudFormation, VPC, EC2, Cloud Map and IAM.
- Configured deployment, management and scaling processes of Bastion backend and admin application clusters using ECS, the AWS container orchestration tool.
- Simplified HTTPS communication between Client SDKs and backend servers by SSL offloading (Route53, Elastic Load Balancer)
- Solved data persistence problem of database servers using docker volumes and mount points of AWS Elastic File System.
- Designed and built the user interface and login features of the admin dashboard using React and Tailwind.
- Developed the command-line application (an npm package) that deploys Bastion VPC to an AWS Route53 hosted zone.
- Led production of our tech talk which can be watched here: https://youtu.be/3-gb737s42Y 🔗

### Software Engineer, RESI *(London, UK)*                                 **March 2021 - Jan 2022**

- Implemented client-facing features of a monolithic Ruby on Rails application hosted on Heroku with PostgreSQL database.
- Built an application from scratch for the internal surveying team to help them track their schedule and update their files.
- Worked in a multi-disciplinary team of designers, data scientists and engineers following agile philosophy using Shortcut for workflow management, GitHub for collaboration and CircleCI for delivery.
- Increased unit test coverage of business-critical components using RSpec.

### Software Engineer, Self-Employed                                 **July 2019 - Dec 2020**

- Made community contributions through blog writing and developed open-source software:
- **RequestPool:** An app for collecting HTTP requests and webhooks. Built with Express, React, Redux, Go, go-cron, MongoDB
- **Hop Timer:** A benchmarking Ruby gem
- **Trend-check:** An application that visualises Twitter trends in the UK using Ruby, Sinatra, GoogleCharts, TwitterAPI, PostgreSQL
- **Mellow:** A project management app using React/Redux, Express RESTful API, MongoDB

### Studio Tutor, AA School of Architecture *(London, UK)*                                 **Sep 2016 - July 2021**

- Taught programming fundamentals (via Python), geometry rationalisation, procedural modelling, and environmental/structural analysis techniques to M.Arch and M.Sc students.
- Worked on academic publications and digital fabrication projects that have won international awards.

### Computational Design Consultant, WilkinsonEyre & BDP Pattern *(London, UK)*                                 **July 2016 - Mar 2021**

- Work including two Qatar 2022 World Cup Stadiums and a major London train station project.
- Developed visual programming scripts to be used for modelling complex structures and facade elements.
- Solved project related CAD/CAM and BIM problems by developing ad-hoc tools using Autodesk Revit C# client-sdk.
- Activities reported to the UK Government R&D Tax Relief programme successfully.

## 🧠 SKILLS

**Languages**
Ruby, JavaScript, Go, SQL, Python, HTML, CSS

**Frameworks**
Express, React, Redux, Rails, Sinatra, Tailwind, jQuery

**Tooling**
Container Orchestration, Docker, CI/CD, Git, GitHub, Linux

**Cloud**
AWS *(Certified Solutions Architect, SAA - C02)*, DigitalOcean, Heroku

## 🎓 EDUCATION

### Master of Architecture, Architectural Association *(London, UK)*                                 **Sep 2014 - March 2016**

Emergent Technologies & Design, with Distinction

### Software Engineering, Launch School *(Remote, US)*                                 **July 2019 - Dec 2020**

Multi-year, mastery-based software engineering curriculum, with progression gated by written exams and live coding interviews to develop problem-solving skills. For details: launchschool.com/employers 🔗

### Bachelor of Architecture, Middle East Technical University *(Ankara, Turkey)*                                 **Sep 2009 - June 2014**