

## EDUCATION

### B.Sc COMPUTER SCIENCE BILKENT UNIVERSITY - 2018

Microprocessors, Graphics APIs,  
Artificial Intelligence, Compilers,  
Operating Systems, UX

## SKILLS

### PROGRAMMING LANGUAGES

Java (8+), Scala, Kotlin, C/C++,  
Swift, Python, Javascript, Rust

### WEB TECHNOLOGIES

React, NextJS, Webpack,  
Jest, Enzyme, ES6, WebGL

### TESTING AND DEPLOYMENT

Git, CI/CD, JUnit, Espresso, Mockito,  
Robolectric, Wiremock, mvn, Gradle

### OTHER FRAMEWORKS

Hadoop, Flume, Hive, Spring,  
lex/yacc, Verilog, PyTorch, Tensorflow,  
CUDA, OpenCL, RxJava, Anchor

### DESIGN TOOLS

Sketch, Figma, AfterEffects,  
Photoshop, Indesign, Illustrator,  
Premiere, Final Cut Pro

### LEADERSHIP & WRITING SKILLS

Technical docuemnt writing,  
recruiting, interviewing, coaching,  
leading teams and projects

## ABOUT ME

### PROJECTS

Personal Website, Verilog Flappy Bird,  
OpenGL Virtual Reality Renderer,  
Windows Phone Store Apps  
with 50k+ downloads

### HOBBIES & INTERESTS

Parkour & Freerunning, Calisthenics,  
Filming Car Reviews on YouTube,  
Electronics, UX Design

### PROGRAMMING LIVESTREAMS

YouTube, Twitch(@celikkoseoglu)

## CELIK KOSEGLU | SOFTWARE ENGINEER | [linkedin.com/in/celikk](https://www.linkedin.com/in/celikk)

Software engineer and team lead with 7+ years of professional experience.  
Designed, engineered and released large scale, high TPS software running on  
millions of devices each day. Problem-solver with a natural bias for action.

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**X (PREV. TWITTER)** | LONDON, UK | *Machine Learning Engineer* 06/24 - Present

Building new recommendation and news dissemination algorithms for X. Working with a cherry picked team of engineers to replace heuristic based systems with machine learning models to reduce bias, improve response times and provide accurate information. Goal is to keep reducing false news worldwide.

- Responsible for maintaining Earlybird (Twitter's search system). Service receives over 900 billion calls a day with a success rate of over 99.98%. Powers ML algorithms.
- Responsible for home ranking and search ranking machine learning models which use the latest continuous training strategies to make sure news propagate accurately.



**amazon** | LONDON, UK | *Software Development Engineer - Full Stack* 11/19 - 05/24

Built customer experiences for Prime Video and Alexa. I've worked in/with multiple teams responsible for building large scale backend and frontend applications running on multi-million devices (iOS, Android, PlayStation, Xbox, FireTV, Kindle, others) and web. Solved highly ambiguous problems while leading other engineers.

- Did team management for 1 year during the hiring freeze. Conducted talent reviews, compensation conversations, yearly resource plannings. Became team tech lead.
- Worked on scaling initiatives for Prime Video to support high traffic events such as SuperBowl, Premier League etc. Increased traffic throughput by more than 5x while decreasing cost to 20% (Saves up to \$1MM/year).
- Did tens of presentations and internal talks in Prime Video, spreading knowledge.
- Recruited people, formed tiger teams and solved technically complex challenges generating tens of \$MM+ in revenue each year. Aligned with principal engineers and leads.
- Created hundreds of tech approach documents for challenging engineering problems, discussed potential solutions with tech leads and lead my team to feasible solutions.
- Developed Android library for Alexa devices, enabling purchase of Prime Video content by voice. Affects multi-million Echo Show customers.
- Delivered self-service refund capabilities for Prime Video during COVID. Decreased total CS contacts by 50%+. Currently handling about 100K+ cases/day across devices.
- Applied new non-flaky API testing strategies that run on release pipelines to improve CI/CD process across Prime Video. Saved hundreds of productive engineering hours.
- Delivered Prime Video channels customer retention experience. Offers discounts when customers want to cancel subscriptions (affects 100K+ customers in one quarter).



**AMERICAN EXPRESS** | LONDON, UK | *Software Engineer* 06-09/16 & 09/18 - 10/19

Delivered new and exciting features to the Amex Android app while also working on backend components that process multi-million requests in milliseconds.

- Worked on new card activation experience to decrease user interface friction during the activation journey (impacts all card activations worldwide).
- Improved app animations to be fluid using MotionLayout (impacts 80M logins / month)
- Separated Android app into modules to speed up the build process (12% decrease)
- Worked with a law startup to put SLAs and signatures on the Ethereum network
- Delivered a database migration application that relocated 1m+ customer records

SEE PAGE 2 FOR MORE DETAILS AND LINKS TO REFERENCE LETTERS



**UNIONPAY** | SHANGHAI, CHINA | *Product Engineering Intern*

07-09/17

Wanted to learn more about the Chinese marketplace and their operations. Traveled to China to complete an internship. Worked in an engineering team that analysed market needs to create innovative solutions.

- Delivered technical and business presentations on UnionPay vs competitor's solution, leading to changes in the product pipeline and western expansion roadmaps.
- Made visual enhancements on internal documentations using Sketch. Distributed to company intranet to be used by a thousand engineers.



**BILKENT UNIVERSITY** | ANKARA, TURKEY | *Tutor & Grader*

02 - 05/16

Helped the next generation of Mechanical, Industrial and Genetics Engineering students grasp the course material for CS114 – Programming for Engineers.

- Published documentation for 'MOSS plagiarism checker' for use by the Computer Science dept. in Bilkent University. Documentation is still used by new lab assistants.
- Reference letter available at: <http://celikk.me/refBilkent.pdf>

**ORACLE** | ISTANBUL, TURKEY | *Big Data Engineering Intern*

07 - 08/15

Worked in the business intelligence software engineering team that utilised big data processing frameworks to develop big data analytics solutions.

- Developed an API for analysing real-time, unstructured log data. This was later used to analyse the shopping behaviour of an e-commerce website in realtime.
- Gained experience with big data processing frameworks (Hadoop, Hive and Flume)
- Reference letter available at: <https://celikk.me/refOracle.pdf>



**Garanti BBVA** | ISTANBUL, TURKEY | *Mobile Engineering Intern*

01 - 02/15

Worked in the mobile team responsible for developing the mobile application for one of Turkey's leading banks. I was responsible for developing an internal application to help engineers in their daily tasks in the team.

- Developed an internal log indexing and searching application for the team. Application is still being used by the team. (02/19)
- Gained experience at writing tests for maintainable and future proof software.
- Reference letter available at: <http://celikk.me/refGaranti.pdf>



## PERSONAL PROJECTS

**C PERSONAL WEBSITE & BLOG** | <https://www.celikk.me>

11/18 - Present

Designed and launched my personal website with the latest build of React in 2018. Launched a blog in 2019 and livestreamed my whole journey of learning React and making this website on Twitch.

- Implemented a way of statically rendering websites without requiring SSR, leading to no server side work being required to run my website. Costs are still 0\$/month despite high traffic, while also providing metatags and SEO optimisation.
- Wrote blog posts that attract the attention of 100+ readers every day (organic traffic).
- Designed and engineered one of the most complicated dark mode toggle animations on the web today. Runs on a finite state machine with silky smooth framerates.



**WINDOWS PHONE STORE APPS** | *PhotoSec and QNote*

01/12 - 05/13

Published 2 apps on the Windows Phone Store that later got featured on the storefront. Surpassed the 50K download milestone in 3 months on a platform with a very limited customerbase. This led to me meet with Microsoft's country manager.

## MEMBERSHIPS AND COMMUNITY WORK

 **YouTube CHANNEL** | <https://www.youtube.com/user/celikkoseoglu> 10/18 - Present

Launched a YouTube channel dedicated to programming videos and tutorials for more advanced engineers. I explore new and experimental concepts in React and talk about my learning process.

- Reached 135,362 people in 2 year with a channel growth rate per day of 1.3%.
- Discovered new and effective ways of presenting effectively on the go without requiring advanced preparation. This lead me to receive highly positive feedback in all my talks in during professional work in my workspace.

 **IEEE IEEE PROFESSIONAL** | #213343425 09/14 - Present

I've been an active participant in IEEE community work since university years and finally became a professional member in January 2025. My first involvement started with organizing events for my university, bringing in speakers and volunteering. After I started my professional career, I've been active in the world wide IEEE network to recruit engineers and connect with them in their events.

- Nowadays personally mentoring students who reach out over from IEEE collabratec, a tool developed by fellow engineers to widen our network reach.
- Woman In Tech hackathon Jury in London. Supported by HackathonParty tool.
- Organizational Member at IEEE Mobile Days Event at Bilkent University, gathering speakers all around the world.
- Organization Member at IEEE "Road to University" High School Student Camp at Bilkent University, inspiring future engineering students and giving them a glimpse of life at a university campus for 3 days