

Curriculum Vitae

Personal information

First name / Surname	Selçuk Cihan
E-mail	selcukcihan@gmail.com
Nationality	Turkish
Online profiles	linkedin.com/in/selcukcihan , github.com/selcukcihan , selcukcihan.com , stackoverflow

Education

Qualification	BS. in Computer Engineering @ Boğaziçi University 2003 - 2008 (3.57 / 4)
Research interests	Wireless networks and computer vision
Qualification	MS. in Computer Engineering @ Boğaziçi University 2008 - 2010 (3.80 / 4)
Title of thesis	Parallel maximum flow solver for multi-core machines

Occupational field **Software Development Engineer**

Work experience

Role	Senior Software Engineer @ Scriber (2021 - 2022)
Responsibilities	Backend for a serverless platform, including payment systems using Stripe Connect.
Role	Senior Software Engineer @ Tellimer (2019 - 2021)
Responsibilities	Serverless & machine learning applications, including site reliability & observability.
Role	Freelancing Software Development Engineer @ Toptal (2018 - 2019)
Responsibilities	Web development on AWS with serverless framework.
Role	Software Development Engineer @ Amazon UK (2017 - 2018)
Responsibilities	Selection Contribution Platform - Amazon's worldwide catalog, a massively large scale system.
Role	Senior Software Engineer @Intertech., intertech.com.tr (2013 - 2017)
Responsibilities	Business process management suite, a web app on which 500K processes are served daily.
Role	Senior Software Engineer @Ziraat Teknoloji, ziraatteknoji.com (2011 - 2013)
Responsibilities	Developing and supporting workflow engine and document management system of Ziraat Bank .
Role	Embedded Software Engineer @AirTies Wireless Networks, airties.com (2009 - 2010)
Responsibilities	IPTV development in C, focusing on teletext, closed captioning, subtitles and transport protocols.
Role	Software Engineer @CC Yazılım Ltd., www.ccyazilim.com (2009)
Responsibilities	Online backup solution development - flagship product of the startup.

Skills and competences

Programming languages	TypeScript, JavaScript, Python, Perl, Java
Miscellaneous	Serverless, AWS, Domain Driven Design, Distributed Systems, DataDog, Stripe, Hubspot

Selected work

Scriber	<ul style="list-style-type: none">- Created the serverless GraphQL backend for scriber.to, which is a platform for financial writers.- Implemented payments with Stripe Connect.- Built analytics application to provide the financial writers with KPIs.
Tellimer	<ul style="list-style-type: none">- Created the API and step functions orchestrator that forms the machine learning pipeline for parsel.ai, a machine learning SAAS offering.- Implemented serverless workflows for ingesting 3rd party financial articles for tellimer.com.- Architected an article recommender and an article summarizer for tellimer.com.- Built a serverless app that periodically maintains the sitemap for various web apps.- Created GraphQL APIs with AppSync, connecting various data sources like DynamoDB & RDS.- Integrated with Hubspot to track SAAS deals.
Catalog orchestration platform (Amazon - London)	<ul style="list-style-type: none">- Developed and maintained the orchestration platform processing Amazon's catalog updates- Handles tens of thousands of TPS, enabling the finest and largest catalog on earth- Uses Kinesis as the back-bone and routes updates to the catalog to downstream services
Relational to NoSQL migration (Amazon - London)	<ul style="list-style-type: none">- Rearchitected an RDS backed service onto DynamoDB- Migration was carried out without downtime moving around 600 GB of data in the process
Workflow engine (Ziraat Teknoloji)	<ul style="list-style-type: none">- Designed / developed (C#) a workflow engine, workflow designer (WPF) and administration tools- 100K instances flow daily through the engine, a .Net application backed by Oracle 10G
Workforce Management System (Intertech)	<ul style="list-style-type: none">- Designed and developed workforce management system for DenizBank operation center- The project received an award for innovation
Public facing web application (Toptal)	<ul style="list-style-type: none">- Serves a total of 100K users- Fully serverless architecture on AWS, built using the serverless framework- User authentication and authorization are managed with AWS Cognito- Implemented business workflows using AWS Step Functions

Certifications

AWS Certified Solutions Architect - Professional	Valid until June 2025
--	-----------------------

References

Name / Email	Erdem Kurul - erdemkurul@gmail.com
About	Former Microsoft employee, UCSD alum. linkedin.com/in/erdemk
Relation	Software Development Manager, direct report at Intertech & Ziraat Teknoloji.