

Curriculum Vitae

Personal information

First name / Surname **Selçuk Cihan**
E-mail selcukcihan@gmail.com
Nationality Turkish
Online profiles [linkedin.com/in/selcukcihan](https://www.linkedin.com/in/selcukcihan), github.com/selcukcihan, selcukcihan.com, [stackoverflow](https://stackoverflow.com)

Education

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

Occupational field **Software Development Engineer**

Work experience

Role Software Engineer @[Serverless](https://serverless.com) (2023 -)
Responsibilities Created Python AWS Lambda SDK for the console product.
Role Senior Software Engineer @[Scriber](https://www.scriber.com) (2021 - 2022)
Responsibilities Backend for a serverless platform, including payment systems using Stripe Connect.
Role Freelancing Software Development Engineer @[Toptal](https://www.toptal.com) (2018 - 2019)
Responsibilities Web development on AWS with serverless framework.
Role Software Development Engineer @[Amazon](https://www.amazon.com) UK (2017 – 2018)
Responsibilities Selection Contribution Platform - Amazon's worldwide catalog, a massively large scale system.
Role Senior Software Engineer @Intertech., [intertech.com.tr](https://www.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](https://www.ziraatteknoji.com) (2011 - 2013)
Responsibilities Developing and supporting workflow engine and document management system of [Ziraat Bank](https://www.ziraatbank.com.tr).
Role Embedded Software Engineer @AirTies Wireless Networks, [airties.com](https://www.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 parse.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
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References

- Name / Email Daniel Vliegthart
About Tech Lead at Parsel.ai
Relation Details are in [the recommendation letter](#).
- Name / Email Decebal Dobrica
About Software Architect at Tellimer
Relation Details are in [the recommendation letter](#).
- Name / Email Ian Watt
About Co-founder, Tellimer
Relation Details are in [the recommendation letter](#).
- Name / Email Erdem Kurul - erdemkurul@gmail.com
About Former Microsoft employee, UCSD alum. [linkedin.com/in/erdemk](https://www.linkedin.com/in/erdemk)
Relation Software Development Manager, direct report at Intertech & Ziraat Teknoloji.