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| Curriculum Vitae |  | |
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| Personal information |  | |
| First name / Surname | Selçuk Cihan | |
| E-mail | selcukcihan@gmail.com |  |
| Nationality | Turkish | |
| Online profiles | [linkedin.com/in/selcukcihan](http://linkedin.com/in/selcukcihan), [github.com/selcukcihan](http://github.com/selcukcihan), [selcukcihan.com](http://selcukcihan.com), [stackoverflow](http://stackoverflow.com/cv/selcukcihan), [playstore](http://play.google.com/store/apps/developer?id=Sel%2525C3%2525A7uk+Cihan) | |
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| Education |  | |
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| Qualification | BS. in Computer Engineering @[Boğaziçi University](https://www.cmpe.boun.edu.tr/) | |
| Dates / GPA | 2003 - 2008 (3.57 / 4) | |
| Research interests | Wireless networks and computer vision | |
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| Qualification | MS. in Computer Engineering @[Boğaziçi University](https://www.cmpe.boun.edu.tr/) | |
| Dates / GPA | 2008 - 2010 (3.80 / 4) | |
| Title of thesis | Parallel maximum flow solver for multi-core machines | |
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| Occupational field | Software development engineer | |
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| Work experience |  | |
| Role | Freelancing Software Development Engineer @[Toptal](http://www.toptal.com) | |
| Main activities and responsibilities | Web development using AWS with serverless framework. | |
| Dates | 08/2018 – | |
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| Role | Software Development Engineer @[Amazon](http://www.amazon.com) UK | |
| Main activities and responsibilities | Selection Contribution Platform - Amazon’s worldwide catalog, a massively large scale system. | |
| Dates | 05/2017 – 08/2018 | |
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| Role | Senior Software Engineer @Intertech., [intertech.com.tr](http://intertech.com.tr/) | |
| Main activities and responsibilities | Business process management suite, a web app on which 500K processes are served daily. | |
| Dates | 10/2013 – 05/2017 | |
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| Role | Senior Software Engineer @Ziraat Teknoloji, [ziraatteknoloji.com](http://www.ziraatteknoloji.com/) | |
| Main activities and responsibilities | Developing and supporting workflow engine and document management system of [Ziraat Bank](http://www.ziraat.com.tr/). | |
| Dates | 06/2011 – 10/2013 | |
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| Role | Embedded Software Engineer @AirTies Wireless Networks, [airties.com](http://www.airties.com/) | |
| Main activities and responsibilities | IPTV development in C, focusing on teletext, closed captioning, subtitles and transport protocols. | |
| Dates | 09/2009 – 12/2010 | |
| Role | Software Engineer @CC Yazılım Ltd., www.ccyazilim.com | |
| Main activities and responsibilities | Online backup solution development - flagship product of the startup. | |
| Dates | 01/2009 – 09/2009 | |

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| Skills and competences |  |
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| Programming languages | Java, Python, Javascript, C#, Perl |
| Miscellaneous | Node, Django, Serverless, AWS, ElasticSearch, React, Angular, agile, devops, unix, bash |
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| Selected work |  |
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| Catalog orchestration platform | * 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 |
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| Relational to NoSQL migration | * Rearchitected a relational database backed service onto **DynamoDB** * Migration was carried out **without downtime** moving around 600 GB of data in the process |
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| Workflow engine | * Designed and 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 |
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| Workforce Management System | * Designed and developed workforce management system for [DenizBank](https://www.denizbank.com/en/) operation center * The project received an [award for innovation](https://www.bai.org/globalinnovations/awards/2017-winners/2017-internal-process-innovation-award) |
| Public facing web application | * 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 |
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| **Certifications** |  |
| [AWS Certified Solutions Architect - Associate](https://www.certmetrics.com/amazon/public/badge.aspx?i=1&t=c&d=2019-09-05&ci=AWS00772446) | Valid until September 2022 |
| [AWS Certified Developer - Associate](https://www.certmetrics.com/amazon/public/badge.aspx?i=2&t=c&d=2019-09-17&ci=AWS00772446) | Valid until September 2022 |
| [AWS Certified Cloud Practitioner](https://www.certmetrics.com/amazon/public/badge.aspx?i=9&t=c&d=2019-06-24&ci=AWS00772446) | Valid until September 2022 |
| **References** |  |
|  |  |
| Name / Email | Erdem Kurul - [erdemkurul@gmail.com](mailto:erdemkurul@gmail.com) |
| About | Former Microsoft employee, UCSD alum. [linkedin.com/in/erdemk](http://www.linkedin.com/in/erdemk) |
| Relation | Software Development Manager, direct manager at Intertech & Ziraat Teknoloji. |