Güneş Can Çapanoğlu

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Residency:
Izmir, Turkey

Date of Birth	1982	Marital Status	Single
Nationality	Republic of Turkey	Driving License	A2 and B
Education Status	Bachelors Degree	Languages	English (Advanced)
Military Service	Fulfilled (2008)		

Objectives

Looking forward to work and gain experience to become better and more efficient. Very enthusiastic about new technologies and problems that I was not even aware of existence.

Experiences

Full Stack Software Engineer (Remote)
MDA Social (Based in Montenegro) (1.4.2021 –) Real Time Forex Trading Signal Market Platform
This is by far the most complex and mentally demanding project I have ever been involved with. Architecture wise -expecting over 1M active users-, the back-end consists of over a dozen monolithic .Net Core 3 microservices with each service running its own MSSQL DB. This makes load balancing hell of a job when it comes to data concurrency obviously. For each microservice that needs data concurrency, we went with this solution; 1 singular write-only service and 1+ multiple read-only services which are cloned/booted up or shut-down by load balancer according to the current load needs. Add Google's GRPC and RabbitMQ/Mass Transit couple to handle between-service communication and event management; you've got yourself one hell of an engineering puzzle. Which time to time feels more like a mixed vegetable soup.
Also, I've implemented Hangfire and Redis to cache results of certain very complex DB queries to increase landing page response time.
Other third-party libraries/tools worth mentioning that I've used so far; AutoFilterer, EF Core, Swagger, Serilog, Azure Storage Blobs, FluentValidation, Mapster, itext7, AngleSharp, MailKit, Vonage SMS API, stream chat API, Faker, and Dapper. I have to admit I am nowhere near an expert on all these tools, considering the work did with them.
One thing I feel I have to mention; I enjoy working with such complex systems, even though it sometimes makes you feel that you're on a dead end. Especially the event-driven approach of Pub/Sub and Background Services is quite my cup of tea considering these might turn your day into a nightmare if not designed that well.
I haven't spent too much time with the front-end, to be honest. When needed, they just dropped me on top of it with no prior experience on Typescript, React.js, and Next.js. Which was painful for me at the start. Well, what can you do but adapt? I have to admit even the lack of Typescript support on third-party JS libraries (I detest using TS till browsers start running it natively) I fully enjoy working with these reactive JavaScript libraries such as Angular, React, and Vue. I find them incredibly fun and challenging. Front-end libraries I have meddled with; Material UI, Crema Material UI Theme, SunEditor, Moment.js.
The project consists of a couple more libraries/tools that I've not touched, so I skipped those.
I don't wanna reveal too much detail about the project just in case. But apart from the stuff that I've already talked about, simply put; this is a project to make it easier for the trader to bet on Forex Trading. So we need to track market prices in real-time and act accordingly on these value changes.
We are following something similar to Scrum/Agile method. Team, being really small, we don't have a strict agile flow though. So our daily tasks consist mostly of morning scrum-like meetings, design decision meetings, Q&A meetings to help each other.
The project is still going strong. The knowledge I've accumulated in this project is just immense. After months of hard work am still learning something every day. Did ya know EF Core has a bug when using Where inside Include inside Union, the filtering just does not work at all? Go figure?!?

Full Stack Software Engineer
Amatis Software Engineering (19.10.2020 – 31.3.2021)
Netherlands-based Software Engineering Company Amatis have been developing various applications for Medical Hardware Manufacturers, Real Estate Agencies, etc. which are mostly based in North Europe last 3 years. I am hired to help raise the value of their work with my 'outside the box' thinking style and with my unique background.

I have worked on 3 different projects with three different clients whom two of'em are foreign medical hardware manufacturers. I was hired to help raise the value of their work with my 'outside the box' thinking style and my 'unique background'.

- For around a month I worked on a C# .Net Core 3 App which was designed as a Heavy Input Micro Service and implemented Integration to MinIO storage service. Developed parts which dealt with heavy flow async tasks. Helped connect the Micro Services together with Mass Transit and RabbitMQ and made improvements on the overall design. Used Microsoft Dependency Injection flawlessly and efficiently, integrated MongoDB to the part I have worked with.
- For around 4 months I have worked as a Full Stack Developer on an app which was formed of SPA Angular 8, C# .Net Core 2 Web API, and MSSQL with Swagger. The backend was integrated with the Customer's in-house build WCF services. I have extensively worked on both sides. Finding and fixing chronic problems, hard to find bugs that are deep inside the app. Did heavy SQL query optimization.
- For over a month I worked remotely and handled the client directly. I was outsourced to a Dutch company called Eonics to work as a Frontend Vue developer which then turned into a Full Stack Development job with PHP and MySQL, a stack that I was extremely rusty. The application was designed to be used -mostly internally- as an e-learning portal. Added features continuously to meets client requirements. Gained experience handling GIT repos with multiple submodules. This experience especially thought me that under capable and emphatic management work becomes a joyful experience.

Throughout my experience, I have used Jira and followed Agile methods most of the time with daily scrums and weekly sprints.

C# .NET Telerik WebForms / SQL Developer
BilgeAdam Technologies (Outsourced to UNITEKS) (17.10.2018 – 05.04.2019)
- Full-Stack development of back-end and front-end of in-house ERP software system for a large textile and fashion company with using languages; C#, SQL, JavaScript, HTML and CSS, Frameworks; Telerik Web UI, ASP.NET and JQuery, Technologies; Web Forms, Ajax, IIS, MSSQL and Team Foundations Server.

Delphi / SQL Developer
(25.06.2018 – 15.10.2018)
- Debugging and bugfixing of a Hotel Management Software using Delphi 7, Delphi XE2.
- Debugging and bugfixing MySql databases.
- Managing versioning using Git through GitLab.

Freelance Web Developer
(19.09.2016 – 17.10.2018)
- Development of static web sites for small to medium sized companies by using HTML, CSS and JavaScript technologies.
- Publishing, moving, development and maintenance dynamic sites using Wordpress, phpMyAdmin, cPanel and MySQL technologies.
- Gmail suite support and setup.
- General web technology consulting.

Software Developer
VARGONEN Teknoloji ve Bilişim SAN. TİC. A.Ş. (12.01.2016 – 19.09.2016)
- Developing a web crawler software which integrates to WHMCS for continuous data mining from various web pages to update the prices of products by using C#, .NET and various third party libraries.
- Developing and debugging multiple e-commerce websites which has been written previously with AngularJS and Symfony.
- Developing an e-commerce website from scratch, which integrates with WHMCS API by using Laravel, Bootstrap, Bridge.NET and JQuery.
- Developing a software to integrate WHMCS Billing to NETSIS e-billing system and debugging WHMCS automation softwares and NETSIS integration by using Java, C#, .NET and PHP technologies.
- Developing, designing and debugging various integration software services which runs between WHMCS, NETSIS, PowerDNS and front-end e-commerce website.

Software Developer / IT Manager
TUDEM Eğitim Hizmetleri SAN. TİC. A.Ş. Mühendislik (08.07.2014 – 16.10.2015)
- Developing, designing, maintaining and administration of web based CRM software system by using C#, ASP.NET, MSSQL, Bootstrap, JQuery, HTML, CSS technologies.
- Maintaining and administration of many Windows 2008/2012 and Linux OSes to run IIS, Domain Controller, SMB, LAMP, MSSQL/MySQL and VPN services as both local and remote web servers.
- Maintaining over 50 terminals.
- Designing and maintaining of backup system for both local terminals/servers and remote servers.
- Defining and solving of problems encountered by users on a daily basis.
- Training and organizing of IT team.
- Maintaining and administration of firewall and designing, enhancing and building of secure LAN architecture.
- Maintaining over a dozen hand terminals with Windows CE/Mobile.

	.Net and C# GUI Developer, MSSQL Database Designer and Administrator *KOMPUSEL Mühendislik Bilgisayar Donanım ve Yazılım (02.2010 – 06.2014)* • Developing of multi client .Net GUI software with C# and designing, maintaining and administration of patient tracking, scheduling and statistical MSSQL relational database system to fulfill the requirements of medical clinics. • Examining work flow, demands and feedback of the clinic staff and designing ideal GUI to fulfill the requirements of client. • Basic level debugging and testing. • Local or web based server hardware and software counseling, setup, maintenance and management. • Training and organizing of technical team and interns. **Life Guard** *METU (06.2003 – 12.2005)* Part-time Life Guarding at outdoor and indoor pools at METU.
Education	Gazi University Chemical Engineering Department (Diploma Grade 2.53 / 4) (1999 – 2008) Yüce Fen Lisesi (High School - Diploma Grade 3.62 / 5) (1996 – 1999) Muazzez Karaçay İlköğretim Okulu (Secondary School) (1993 – 1996) T.E.D. Ankara Koleji (Elementary School) (1988 – 1993)
Internships	Ankara Sugar Plant (2002) 5 week summer internship in Operations and Management ASKİ Ankara Tatlar Waste Water Treatment Facility (2006) 4 week summer internship in Operations and Management
Computer Skills	**OSes**: Windows, Debian and Debian based Linux distros **Languages and Frameworks**: Vue, Quasar, Firestore, Visual Basic, Fortran, Pascal, PHP, MSSQL/MySQL, C#, Python, Octave, MATLAB, Laravel, Java, HTML, CSS, JQuery, Bootstrap, AngularJS, Symfony, Scala, Standard ML, Xamarin, Delphi 7, Delphi XE2, Web Forms, Ajax **Softwares**: Visual Studio, Notepad++, Netbeans, Eclipse, Sharp Develop, Mono Develop, MS Office, Open Office, Libre Office, Polymath, CHEMCAD, Git, GitHub, GitKraken, IIS, TFS
Courses & Certificates	**Stanford University Algorithms: Design and Analysis, Part 1 and Part 2, coursera.org (04.2014 – 12.2014)** Fundamental principles of algorithm design and advanced algorithm design. **Rice University Principles of Computing, coursera.org (04.2014 – 08.2014)** Basic mathematical and programming principles and basics of creating efficient solutions to common computational problems. **École Polytechnique Fédérale de Lausanne Functional Programming Principles in Scala, coursera.org (03.2014 – 07.2014)** Learning and combining functional programming with object-oriented programming using Scala. **Rice University Introduction to Interactive Programming in Python, coursera.org (06.2013 – 10.2013)** Event-driven and interactive software development with Python language. **Stanford University Introduction to Databases, coursera.org (03.2011 – 07.2011)** Database design and the use of database management systems for applications. **Stanford University Machine Learning, coursera.org (03.2011 – 07.2011)** A broad introduction to machine learning, datamining, and statistical pattern recognition.
Exams	2009 KPDS (Score 74), 2009 ALES (Score 81)