



Ömür YILDIRIM

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WORK EXPERIENCE

Staff Software Engineer

Polestar [13/02/2023 - Current]

City: Stockholm | Country: Sweden | Website: www.polestar.com

Specialized in Platform Engineering and Developer Experience

- Developed tools and services with AWS and Cloudflare, leveraging serverless architecture and deployment tools such as Terraform, AWS CDK, and the Serverless Framework
- Pioneered front-end development by creating Remix boilerplates and guidelines, delivering company-wide talks, and supporting teams in their migration efforts
- Drove a FinOps initiative to enhance financial efficiency and cloud cost awareness across the organization. Created a system to produce monthly cross cloud cost data reports.
- Established the Datadog infrastructure at Polestar, onboarding teams and advocating for its effective usage
- Introduced Spotify's Backstage to centralize and streamline documentation.
- Led the creation of GitHub infrastructure at Polestar and spearheaded the migration from MyGet to GitHub packages
- Implemented Tech Radar to provide clarity on Polestar's tech stack.
- Established the Engineering Community, introducing deep dives, lightning talks, open demos, and team spotlight events to foster collaboration and knowledge sharing.
- Founded Frontend and Site Reliability Engineering Guilds to create a forum to discuss and promote the adoption of cutting-edge tech trends.
- Conducted developer experience surveys and advised teams on improving their workflows based on feedback.

Tech stack: Typescript, Node.js, React, Remix, Next.js, AWS, Serverless, Azure, Terraform, AWS CDK, SST, Datadog, GitHub, NoSQL.

Senior Javascript Engineer

Klarna Bank AB [27/09/2020 - 10/02/2023]

City: Stockholm | Country: Sweden | Website: <https://www.klarna.com/>

Building an API-first bank for businesses with a focus on supporting Klarna's financial capabilities as Klarna Bank.

- Collaborating in a shared ownership model to solve problems and deliver end-to-end solutions.
- Developing microservices using Node.js and TypeScript in a serverless architecture.
- Leveraging DynamoDB, AWS SQS, AWS Kinesis, and Kafka for asynchronous event processing.
- Creating web applications using React and TypeScript.
- Monitoring and setting up alerts through Splunk and Datadog.
- Utilizing Jenkins, Terraform, and CloudFront for seamless deployment.

Tech stack: Typescript, Node.js, React, AWS, Serverless, Terraform, AWS CDK, Datadog, NoSQL, SQL.

Senior Full Stack Developer

Building Radar GmbH [30/09/2017 - 24/09/2020]

City: Munich | Country: Germany | Website: <https://buildingradar.com/>

Developed a SaaS product that gathers information on planned, ongoing, and completed construction projects, notifying users based on their interests.

- Built a feature-rich Angular web application from the ground up.
- Led the feature implementation process, driving end-to-end development.
- Utilized Angular with RxJS and TypeScript for front-end development and integrated Sentry for monitoring.

- Developed the backend using Python, PostgreSQL, and Redis.
- Worked with Elasticsearch for enhanced search capabilities.
- Deployed the solution on Azure cloud services.
- Monitored performance and logs using Kibana

Tech stack: Typescript, Node.js, Angular, React, Python, Azure, Elastic stack, Terraform, AWS CDK, SQL.

Full Stack Developer

Hitit Computer Systems [14/12/2014 – 23/07/2016]

City: Istanbul | Country: Türkiye | Website: www.hititcs.com

Developed a comprehensive SaaS product that manages the entire operations of an airline company, from aircraft scheduling to a web booking engine.

- Built web applications for airline companies, serving millions of users annually.
- Developed cross-browser applications (from IE6 to modern browsers) and cross-platform solutions, including booking engines and kiosk systems.
- Utilized Angular.js and Java JSF for front-end development.
- Contributed to Java-based backend development.

EDUCATION AND TRAINING

M.Sc. Programme in Electronics

Yıldız Technical University [18/09/2016 – 10/08/2020]

City: Istanbul | Country: Türkiye | Website: <http://www.ehm.yildiz.edu.tr/en>

THESIS (TUM - Yıldız partnership)

Decision Process of Autonomous Drones for Environmental Monitoring (Best paper award INISTA 19')

Article:

<https://ieeexplore.ieee.org/document/8778341>

Implementation:

<http://vecihi.gitbook.io>

Article of improved work:

Improving coverage method of autonomous drones for environmental monitoring

Turkish Journal of Electrical Engineering and Computer Sciences

[Link to article](#)

M.Sc. in Electrical Engineering and Information Technology

Technische Universität München [30/09/2017 – 29/09/2018]

City: Munich | Country: Germany | Website: <https://www.ei.tum.de/en/welcome/>

B.Sc. - Electronic and Communication Engineer

Yıldız Technical University [08/2010 – 23/08/2015]

City: Istanbul | Country: Türkiye | Website: <http://www.ehm.yildiz.edu.tr/en>

LANGUAGE SKILLS

Mother tongue(s): Turkish

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

German

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Swedish

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

JOB-RELATED SKILLS

Job-related skills

Fluent

- Node.js
- Typescript
- JavaScript
- React.js
- CSS/CSS3
- AWS
- Serverless
- Terraform, AWS CDK, SST, Pulumi

Proficient

- Python
- Java
- SQL / NoSQL
- Google Cloud, Azure

University projects - Thesis

- Machine Learning (*Reinforcement learning orientation, implemented several models to avoid obstacles autonomously*)
- ROS (*Used Nao robots to solve a real world problem, created autonomous monitoring system*)
- C++ (*Implemented a robot for autonomous monitoring*)

OTHER SKILLS

Other skills

- Composer, <https://soundcloud.com/omuryildirim>
- Photographer, <https://www.deviantart.com/omuryildirim>