Yilmaz Naci Aslan
Software Developer

Backend-focused full-stack developer with 4+ years of experience designing and delivering cloud-native applications across automotive, smart home, agritech, and life sciences. Skilled in building scalable frontend and backend systems, setting up CI/CD pipelines, and deploying solutions on GCP, Azure, and AWS.

📍 Berlin, Germany | 📧 yilmaz.aslan@gmail.com | 📱 +49 176 803 323 69   🔗 LinkedIn |Github
🌐 **Languages:** English (C1), German (C1), Turkish (Native)

Work Experience

MaibornWolff GmbH — Software Engineer / Consultant,   *Nov 2021 – Present*

Client Projects:

- **Miele – Smart Home Application** | *Nov 2022 – Sep 2024 & Aug 2025 – Today*
  Senior Developer — Built backend services and APIs, deployed and monitored production workloads, mentored colleagues, served as 24/7 on-call support.

- **Vunapay (GIZ initiative)** | *Apr 2025 – Aug 2025*
  Full-stack Developer — Transformed VunaPay's monolithic Flutter app into a scalable React Native and Node.js platform with full CI/CD automation and isolated staging/production environments on GCP

- **Molecular Devices** | *Sep 2024 – Apr 2025*
  Frontend Developer — Developed web applications for scientific instruments.

- **BMW Smart Battery Cell Factory** | *Nov 2021 – Feb 2022*
  Built backend services providing REST APIs for IIoT controllers using industrial communication protocols.

Side Projects

- **Co-Creator of Football Fan Social Gaming App**
  Mobile Developer — Designed and built a React Native mobile app targeting football fan communities.

- **Berlin Foreign Office Appointment Bot**
  *Automated appointment booking system, open-sourced on GitHub with **100+ stars and 50+ forks***

Tech Skills

- Backend: Node.js (Express), TypeScript, Java (Spring Boot), Python, MQTT, Websocket
- Frontend: React, React Native (Expo), Angular, Redux
- Cloud & Infra: AWS, GCP, Azure, Docker, Kubernetes, Terraform, Firebase
- Databases & Monitoring: PostgreSQL, Elasticsearch, Prometheus, Grafana, Kibana

Certifications

- AWS Cloud Practitioner
- Microsoft Azure AI Engineer Associate

Education

- **M.Sc. in Mechanical Engineering - TU Berlin** *(2018 – 2021)* - *Thesis: Contributor to MURMEL Project*
- **B.Sc. Mechanical Engineering - TU Istanbul** *(2012 – 2016)* - Erasmus Exchange, TU Berlin *(2015 – 2016)*

Early experience

- **IAV GmbH —** Working Student. Implementation of radar-based smart solutions for vital sign monitoring. *(2020 – 2021)*
- **Mercedes-Benz Turk —** Mechanical Engineer. Bus manufacturing assembly line quality check *(Feb 2018 – Aug 2018)*