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Experience

Backend Engineer

PLUSMINUSONE

San Francisco, US

Aug 2024 – Present

- Architected and optimized backend services for applications serving millions of users globally, leveraging **AWS, TypeScript, Node.js, NestJS, PostgreSQL, Mongoose, and Redis**.
- Eliminated 15 second polling delays by migrating to a **queue-based architecture**, increasing throughput by **10–15%** under high load.
- Developed and managed a custom payment module integrated with SQL and NoSQL databases, alongside a microservice for premium state handling, processing up to **1M records daily** with full transaction integrity.
- Led adoption of modular architecture with **Lerna** and a private npm registry, reducing the deployment times of CI / CD pipelines by **80%**.
- Drove **75% OPEX savings** through comprehensive infrastructure and security audits, removal of redundant resources, and migration to cost-efficient AI models.
- Wrote comprehensive **integration and end-to-end tests** using Jest and Supertest, improving the system reliability.
- Engineered backend systems from ground up: **system design, infra provisioning, API schema, DB modeling, CI / CD, and Grafana dashboards for monitoring**.

Software Engineer

NEURONIC

Munich, Germany

July 2023 – July 2024

- Engineered **serverless IoT backend** on AWS (IoT Core, Lambda, DynamoDB, API Gateway, Cognito, S3) powering photobiomodulation medical helmet.
- Developed and maintained RESTful backend services using **TypeScript** and **Node.js** with relational and non-relational databases.
- Designed secure authentication and device-linking flow using **Cognito** and custom policies that ensure **HIPAA / GDPR compliance**.
- Automated CI / CD pipelines, reducing the deployment time by **40%** and improving release reliability across multiple environments.
- Established coding and architecture standards, improved maintainability and reduced defect rates by **30%**.

Android Engineer Intern

GİB Teknoloji

Ankara, Turkey

July 2023 – Sept 2023

- Enhanced UI for GİB mobile app, downloaded **5M+ times** across Play Store, App Store, and AppGallery.
- Refactored redundant code, improving app efficiency and reducing crash rates by **15%**.
- Updated app to modern UI/UX standards, boosting user engagement.
- Developed in **Java** using native Android frameworks (**Android SDK, Jetpack, XML layouts**).

Education

Bachelor's Degree in Computer Engineering

Hacettepe University

Sept 2020 – June 2024

Projects

BioMedical Data Mining

May 2024

A project focused on extracting hidden trends and patterns from biomedical data to predict diseases. Using **Latent Dirichlet Allocation (LDA)** for topic modeling and **Named Entity Recognition (NER)** with **scispacy** and **spacy** libraries.