Barış Aydek

Computer Engineer

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> Note: This is a simplified CV, to see my full CV (PDF) please click here.

Currently

Trying to understand and use functional programming concepts while learning Scala. Following **Node.js** and other **Javascript** technologies. Pondering on software development methodologies (like **Agile**, **Lean**, **DevOps**). I write unit tests. Love to work on open source (free) software.

Work expreriences

17–23   **Comtravo (Acquired by Navan) / Navan (Formerly TripActions)** Senior Software Developer
Before the Acquirement (5 years):
I played a multifaceted role encompassing a wide range of responsibilities: integrations across various platforms including hotel (booking.com and hrs), flight (sabre with search upgrades, hitchhiker, luggage, and seats), train (DB and Amadeus). in accounting (invoices, collective invoices, and reports). CRM management: handling users, companies, FF cards, policies, and imports. system integrations with AWS Cognito, Zendesk, Slack and Swagger (OpenAPI v2). On the data side, I worked with MongoDB, Mongoose, Elasticsearch. On the infrastructure front, I worked with Terraform, AWS, and Jenkins. I utilized AWS Lambdas and AWS step functions thoughout the system. As my experience grew, I became the most knowledgeable person in the department, serving as the primary point of escalation, consultation and mentorship. Additionally, I was entrusted with technical reviews, PR reviews, and making architectural updates to the system as needed.
After the Acquirement (1 year):
I took on the challenge of integrating the British Airways NDC API, which involved integrating a new Node.js service into an existing Java stack. Furthermore, we integrated Auth0 into out authentication system, focusing on the SSO Self Serve service implementation.

13–16   **Amadeus R&D Istanbul** Software Developer
Amadeus e-Power is a fully customizable, high performance, easy-to-use online booking engine (flight, hotel, car, train) by the time was used by about worldwide 1000+ booking portals.
Responsibilities: • Application configuration management for deploying on different farm machines. • Unit test initial setup, Test and Code Coverage Reports integration for Jenkins • Application code security • Various Flight, Hotel, Payment, Webservice module features

12–13   **Gezisitesi** Software Development Specialist
I was responsible from developing an online hotel and tour selling platform (which is closed now).
Technologies used: WCF, NHibernate.

10–12   **CRONOM** Software Development Specialist
I was responsible from developing of an XML based ASP.NET framework which creates and manages DB, workflow and web screens from XML declarations.

Education

05–09   **Pamukkale University**, Computer Engineering
01–05   İzmir Milli Piyango Anadolu High School

Technical

Javascript / Typescript / Node.js	OOP / FP	TDD / BDD
Java Spring	MongoDB / Mysql	Docker, Jenkins, Terraform

Projects

blog   I write mostly about javascript on my blog which is in Turkish and English.

hurriyet-hackathon   An activity sharing application developed with Meteor.js and cordova.

Courses and Seminars

- OOP & Design Patterns / BTAkademi, 32 hours
- Advanced C# / BTAkademi, 50 hours
- Enterprise Design Patterns / BTAkademi, 32 hours
- Enterprice Library 5.0 / BTAkademi, 10 hours
- WCF / BTAkademi, 18 hours
- ASP.NET MVC Framework / BTAkademi, 18 hours
- Windows Azure/ Microsoft, 24 hours

Certificates

- Fundamentals of Application Security / Team Mentor (Score: 92/100)
- Learning how to learn / Coursera (Grade Achieved: 92.4%)
- Functional Programming Principles in Scala / Coursera (Grade Achieved: 96.0%)