

Furkan Tunalı Résumé

Summary

Experienced software engineer architecting scalable, innovative solutions for multi-cloud environments, optimizing developer experience across web development, full-stack. Currently exploring AI to reimagine software functionality and create intelligent solutions. Background in leadership, founding, and design.

Info

Name: M. Furkan Tunalı

Current residency: Berlin

Contact

- **Web:** FurkanTunalı.com
- **E-mail:** mail@furkantunalı.com
- **LinkedIn**
- **GitHub**

Experiences

Senior Infrastructure and Developer Experience Engineer at [heyData GmbH, Berlin](#)

01/2022 - Present

My contributions include:

- Designing and deploying *cloud infrastructure* with *Kubernetes* and *Terraform*, aiming for scalability and reliability.
- Optimizing developer workflows through *CI/CD pipelines* using *GitHub Actions* alongside creating useful *DevOps tools*.
- Maintaining *Docker* environments and crafting automation scripts with *Makefile* and *Bash*.
- Providing guidance and support in resolving complex technical challenges.

Technologies and tools I work with:

- A range of AWS services (*Fargate, ECS, CloudFormation, ECR, RDS, Cloud Map, EC2, Route53, Lambda*) to facilitate effective deployment and service management.
- Employing current web technologies like *JavaScript, TypeScript, NestJS, NextJS*, and database management with *PostgreSQL*.
- Building and managing microservices architecture using *Docker Compose*, coordinated with *Kubernetes*.
- Developing solutions with modern frameworks such as *Rails* and *VUE* for comprehensive full-stack capabilities.

Senior Back-end Architect at [GameBook AG \(Formerly Experimental Game GmbH\), Berlin](#)

09/2018 - 02/2019

Some of my tasks were:

- Implementing and refactoring back-end services.
- Developing features as full-stack.
- Profiling performance bottlenecks.

- Working with containerization and development cycle.
- Improvement of dev-tools.
- Migrations of existing data structure.

Some of the technology and services that I used so far:

- Node, AWS, TeamCity, Docker, WebPack, GraphQL, Ramda, React, Redux, AWS, Express, MongoDB, Atlassian tools, Github, JSS, Sass

Lead JavaScript/Front-End Developer at Groupe Chantelle, Digital Lab, Berlin

08/2017 - 12/2018

Some of my tasks were:

- Managing and being responsible for the actions of Front-end team.
- HR, interview, boarding and hiring process
- Modernizing front-end architecture without losing existing functionalities and values.
- Making sure codebase is improved and streamlined.
- Implementing code quality-assuring tools and automated of tests.
- Implement dev-ops tools and a new eco-system to act develop faster.
- Helping with the conversion from monolith systems into separated micro-services when possible.
- Following Agile methods.
- Reviewing codes.
- Migrating from Front-end to being a Full-stack team.
- Mentoring, inspiring, guiding or helping front-end team when possible.
- Helping to achieve being data-driven and implementing A/B testing solutions.
- Making sure the projects will be fitted into sprints and acting if they are not going as planned.
- Tracking the development of UI library for connecting the UX team and Front-end team components as a bridge.

Some of the technology and services that I used so far:

- Node, Magento, WebPack, React, GraphQL, Redux, FlowType, AWS, Koa, MongoDB, Babel, Functional Programming, Atlassian tools, Github

Universal JavaScript Engineer at Pixsy GmbH, Berlin

01/2017 - 08/2017

My responsibilities were:

- Delivering new features on both ends with using JavaScript.
- Delivering code with the unit, integration and E2E covered tests.
- Maintaining or migrating existing features.
- Developing and maintaining micro-services.
- Improving our architecture and stack when it's possible.
- Integrating and maintaining data on Mongo, Stripe and Salesforce.
- Keeping an eye on app health with Heroku and Sentry reports.
- Following KANBAN with some Agile methods.
- Reviewing codes from our team's pull requests.
- Following our code conventions and guidelines.

Some of the technology and services that I used:

- Node, Lambda/Serverless, React, Redux, FlowType, AWS, WebPack, Webpack Isomorphic Tools, Koa, MongoDB, Babel, HighlandJS, Salesforce API, Mixpanel, Mocha, Chai, Yadda, Webdriver.io on top of Selenium, Stripe API, Sentry, Github

Software Architect and JavaScript Developer at Talented Square, CA

08/2015 - 08/2016

Some of the projects:

- Front-end development for a giant multinational retail corporation's online wholesale seller portal which cannot disclose its name but feel free to contact for the details.

Some of the project skills: JavaScript, Angular, AMD, Gulp, CSS, SCSS, HTML and a small amount of Maven and Jetty.

- Performance and architectural improvements and JavaScript development to an e-commerce website to the same company described above.

Some of the project skills: Browser and mobile optimisation, JavaScript, Backbone, AMD, CSS, jQuery, HTML and Ant.

- Architectural design and javascript development for a new recruiting startup project.

Some of the project skills: architectural decisions, JavaScript, LoopBack, Webpack, Gulp, MySQL, React, Redux, HTML, SCSS.

Founder, full-stack web developer and designer at NOD studios, Istanbul

11/2012 - 07/2015

Some of the projects:

- Web development and design for Gym & Tonic

Some of the project skills: Design, JavaScript, PHP, HTML, LESS, CSS, CanJS, Mustache.

- Web development for Silent + Blessed

Some of the project skills: Design, JavaScript, HTML, LESS, CSS, CanJS, Mustache.

- Web development and design for Mirjam Schmitt

Some of the project skills: Design, JavaScript, HTML, LESS, CSS, CanJS, Mustache, WordPress, WordPress JSON API.

- Web development and design and UX consultancy for Les Benjamins

Some of the project skills: Wireframing, Mockup, Design, JavaScript, HTML, LESS, CSS, CanJS, Mustache, CakePHP.

- Web development, design, mobile app design, UX design and refactoring legacy code for etiqadd

Some of the project skills: Wireframing, Design, JavaScript, AMD, PHP, CodeIgniter

- Social web app design and gamification for Gripati

Some of the project skills: Wireframing, Design, JavaScript, AMD, PHP, CodeIgniter

- Front-end mobile web development for LigTV

Some of the project skills: Mobile optimisation, HTML, CSS, JavaScript

- Internal website design and full-stack web development for Ülker

Some of the project skills: PHP, CakePHP, HTML, CSS, JavaScript

- Server-side web RSS aggregator API development for a mobile app of MB Apps

Some of the project skills: CakePHP, PHP

- Full-stack web development for Umut Üzümleri movie

Some of the project skills: Design, HTML, CSS, JavaScript

- Open source projects and libraries at Github

Full-stack web developer at FOX International Channels, Istanbul

01/2012 - 12/2012

Development of some social app and microsite web development for some clients including:

Samsung Turkey, National Geographic Turkey, Nokia Turkey, True Blood TV show, Glee TV Show, TerraNova TV show

Front-end developer and designer at projectz, Istanbul

06/2011 - 12/2011

Front-end coding, refactoring and web design for startup project yardimlazim.com

Full-stack developer at Manajans / JWT, Istanbul

05/2009 - 06/2011

Development of websites, CMS development, online communities, social apps and microsites for some clients including:

Miller, GncTurkcell / Turkcell, Eston, First, Bomonti, Efes, TeraBrokers (Formerly TeraMenkul)

Front-end developer at Tribal DDB Worldwide Istanbul (formerly Manadigital)

03/2009 - 05/2009

Front-end development for some clients including:

patlican / aveva, ITNET

Full-stack developer at Ping Digital Agency Istanbul (formerly OnKaplan)

05/2008 - 03/2009

Garanti, ITNET

Designer, front-end and Flash developer at Koçak Dizayn, Istanbul

05/2008 - 03/2009

Design, concept art creation, front-end development and illustration for an online art community startup.

Designer and front-end developer at MedyaNova, Istanbul

05/2005 - 02/2007

Design and front-end web development for various web projects mostly regarding travelling, hotel and hotel franchise clients like Best Western Hotels.

Internship at MedyaNova, Istanbul

04/2005 - 05/2005

Senior Software Architect at Société Générale Digital Factory, Berlin

09/2019 - 05/2020

Some of my tasks were:

- Building the technical vision
- Driving the adoption of the technical concept
- Trying to create a good DX (developer experience)
- Linking and ensuring compatibility of in-house services with parent company related services through communication and research
- Being sure of delivering stable and secure products on time
- Researching and building cloud integrations and maintaining engineered artefacts
- Contributing to building initial full-stack boilerplates of MVP
- Migrations of existing data structures into upcoming services
- Integrating fully automated continuous delivery, deployment and development
- Implementing testing strategies
- Participating in planning and hiring of a new development team from scratch
- Pair programming

- Mentoring or onboarding new members of the team
- Code reviews and gradually implementing linting strategies for code quality and consistency
- Automating semantic code versioning and conventions
- Working on containerisation and deployment strategies
- Researching and applying data storage

Some of the technology and services that I used so far:

- Microsoft Azure, Github Actions, Node, Vue.js, TypeScript, Docker, WebPack, GraphQL, Apollo, Express, Cosmos DB, PostgreSQL, Azure Active Directory, Azure Functions, OpenID Authentication, Jest, Web Components, Stencil.js

Senior Back-end Architect at GameBook AG (Formerly Experimental Game GmbH), Berlin

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05/2005 - 02/2007

Design and front-end web development for various web projects mostly regarding travelling, hotel and hotel franchise clients like [Best Western Hotels](#).

Internship at [MedyaNova, Istanbul](#)

04/2005 - 05/2005

Languages

- Turkish - *native*
- English - *advanced*

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Education

Computer Programming and Technology at Kadir Has University.

2004 - 2008

Sehremeni Anadolu High School

Interests

DJ and Founder at AmbientData

Contributing back to an Open source

Experimenting with side-projects

Sci-Fi books, movies etc.

Exploring Typography.

Photo manipulation

Travelling

Exploring Craft Beer and Coffee

Video games

Any kind of nerd activity