

## 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.

## Skills

**Cloud** Amazon Web Services (EKS, ECS, CloudFormation, Lambda, Fargate, ECR, RDS, Cloud Map, EC2, Route53, IAM), Microsoft Azure (Azure Active Directory, Azure Functions, Cosmos DB), Google Cloud Service (Vertex AI, Cloud Vision API, Cloud Run, Cloud Storage), Firebase, Azure DevOps Services, Heroku · **Containerization and Orchestration** Docker, Kubernetes, Docker Compose · **laC Terraform** · **CI & CD** GitHub Actions, Travis, Jenkins, TeamCity · **Software Languages** Node.js / JavaScript / ECMAScript, TypeScript, Python, Ruby, PHP, SQL, C, C++, Bash, ASP, .NET, PIC · **Frameworks & Libraries** NestJS, React / Redux / Flux, NextJS, Vue.js, Angular, Backbone, Express, Koa, LoopBack, CakePHP, Lithium, CodeIgniter, RxJS, Serverless for Lambda, CanJS, Polymer, Aurelia · **Testing:** Jest, Mocha, Chai, Yadda, Webdriver.io, Selenium · **AI** OpenAI API, Jupyter Notebooks, AI Agents, AI Workflows, Google AI Studio · **DB** MongoDB, MySQL, SQLite, PostgreSQL, Cosmos DB, RethinkDB · **Front-end** HTML, CSS, LESS, SASS, SCSS, PostCSS · **Design** Adobe Photoshop, Sketch, Adobe Illustrator, Adobe Fireworks, UI Design, Wireframing / Mockup Design, Responsive Design, Web UX, Branding / Identity, Print Design · **Version Control** Git, SVN · **Other** NGINX, Apache HTTP Server, Webpack, Babel, Flow Type, Magento, HighlandJS, WebStorm, Protractor, jQuery, RequireJS, Underscore.js / lodash, PM2, WordPress, IBM API Connect, Bower, SystemJS, jspm, Homebrew, composer, pip, gem, PhoneGap, Appcelerator, fish Shell · **OS** macOS / OS X, Linux, Windows · **Design and Creative Tools** Web Design on the browser, UI Design, Wireframing / Mockup Design, Responsive Design, Web UX, Branding / Identity, Print Design, Adobe Photoshop, Sketch, Adobe Illustrator, Adobe Fireworks · **Methodologies and Development Practices** Functional Programming, Isomorphic / Universal Javascript, TDD (Test-Driven Development), BDD (Behavior-Driven Development), MVC (Model-View-Controller), MVVM (Model-View-ViewModel), OOP (Object-Oriented Programming), Prototypal OOP, OLOO (Objects Linking to Other Objects), AOP (Aspect-Oriented Programming), ES6 Modules, AMD (Asynchronous Module Definition), CommonJS, Mobile optimization · **APIs and Integration** OpenAI, Salesforce, Stripe, Mixpanel, Facebook, Twitter, Shopify, Flickr, Tumblr, WP REST, SoundCloud, Pinterest · **Languages** Turkish - Native, English - Advanced, German - A1

## Experiences

- **Senior Infrastructure and Software 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
- **Senior Software Architect at [Société Générale Digital Factory, Berlin](#)**  
**09/2019 - 05/2020**  
**My contributions include:**
  - 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**Technologies and tools I work with:**
  - 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
- **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
- **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 [etiqaad](#)  
**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 microsities 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 / avea](#), [TTNET](#)
- **Full-stack developer at [Ping Digital Agency Istanbul \(formerly OnKaplan\)](#)**  
05/2008 - 03/2009  
[Garanti](#), [TTNET](#)
- **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

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## Education

Computer Programming and Technology at [Kadir Has University](#)

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## Interests

Swimming · Photography · AI generated design and art · Video games · [Djing](#) and formerly founding the music label [AmbientData](#) · Contributing back to [Open source](#) projects · Experimenting with product ideas · Travelling · Ping-pong · Sci-Fi · 80s Exploring print, product, interior and typography design · Staycations · Exploring craft beers · Exploring architecture.