MAT WILK

SOFTWARE ENGINEER

DETAILS

ADDRESS
London
United Kingdom

EMAIL
matewilk@gmail.com

LINKS

LinkedIn

GitHub

SKILLS

Full-stack

JavaScript

Node.js

Next.js

React

AWS

IoC

DevOps

CI/CD

Agile

PROFILE

As an experienced full stack developer, I have a solid track record of developing, delivering, and maintaining various types of systems, monolithic, distributed, cloud-based, and on-premise. I have expertise in both front-end and back-end development, as well as a strong background in working with a wide range of technologies, tools, and frameworks. I am proficient in creating robust and scalable solutions that meet the needs of my clients, and have a strong problem-solving mindset. With my experience working in team environments and ability to adapt to new challenges, I am confident in my ability to deliver high-quality solutions that meet the needs of my clients.

I have experience working with and providing services to brands like The BBC, The Times, New Relic, Tesco, SkyScanner, DAZN and more on various projects.

EMPLOYMENT HISTORY

Senior Solutions Architect, New Relic
Jul 2022
Los Angeles (remote)

Working with corporate customers defining, scoping and delivering solutions for their applications and infrastructure observability needs at New Relic - a software analytics platform for monitoring and managing the performance of applications, servers, and other infrastructure components.

Key projects, responsibilities and deliverables:

- Consulting with customers on a variety of topics related to infrastructure and application observability.
- Authored Snowflake Integration - to monitor various parameters of snowflake computing cluster for real-time alerting and reporting
- Prototyped Next.js Integration - body of work to enable New Relic's plugins integrate with Next.js framework for full-stack application observability.
- Prototyping New Relic platform features for Product teams based on customer's needs (e.g New Relic Dashboards filtering functionality, Workloads view)
- Defining, scoping out and implementing custom React-based extensions on top of New Relic platform to tailor to specific needs of corporate customers
- Publishing domain specific articles
- Contributing to various New Relic's open source projects
- Working with individuals at different level of seniority from developers to department directors.

Technologies:

- Full-stack - Node.js, React, Next.js, Nest.js, GraphQL, React Native
- Languages - JavaScript, Python, Go, Shell scripting
- IaC - Terraform, Kubernetes, AWS, Azure

Senior Software Engineer, Zoopla
Nov 2021 — Jul 2022
London (remote)

Development and maintenance of a distributed user notification and alerting system for Zoopla, a leading UK-based real estate company.

The projects include:

- Designing, implementing, and improving the notification and alerting system.
- Migrating legacy systems to AWS-based microservices.
- Migrating and backfilling large datasets and databases.
- Modifying the API GraphQL layer.
- Designing and implementing continuous integration and delivery (CI/CD) pipelines.
- Migrating to the New Relic observability platform.

Technologies:

- Javascript – Node.js, Typescript
- Backend – Node.js, GraphQL, AWS
- Testing – Jest, Pakt
- CI/CD - GitLab
- Infrastructure - Terraform, AWS
- Monitoring - NewRelic, AWS CloudWatch

Senior Software Engineer, Tesco   London (remote)

Oct 2020 — Oct 2021

Leading and delivering key back-end projects for Tesco, a global groceries and general merchandise retailer.

Key projects and responsibilities:

- Leading the back-end project for the Tesco Rewards program.
- Leading the back-end project for the Delivery Saver program for Central Europe countries.
- Delivering features for the Tesco API aggregation layer.
- Supporting API changes for mobile apps and web-based clients.
- Implementing API functionalities for the UK www.tesco.com website.
- Supporting multiple non-English Tesco web pages in different regions of the globe (Central Europe, Asia).

Technologies:

- Javascript – Node.js, Typescript, Flow
- Backend – Node.js, GraphQL
- Testing – Mocha, Sinon, Chai
- CI/CD: Jenkins
- Cloud: AWS, Azure

Senior Software Engineer, News UK (The Times / The Sun)   London (remote)

Feb 2019 — Sep 2020

Designing and implementing functionalities for high-traffic systems to ensure efficient performance and scalability, improving performance, and delivering front-end functionalities for The Sun newspaper, and implementing key features of the serverless-based Times Public API.

The Times:

- Implementing key features of the serverless-based Times Public API
- Supporting The Times website and mobile apps by designing and implementing API changes
- Providing support to key platform (micro) services.
- Designing pipelines for CI/CD tools and helping with the transition to new tools and infrastructure
- Delivering AWS-based infrastructure.
- Designing and implementing serverless-based services supporting The Times mobile apps.

The Sun:

- Improving performance of The Sun website
- Migrating the website to a more performant CSS framework
- Optimising the website's build bundle
- Working closely with designers and editorial teams on new front-end components and functionalities

Technologies:

- Javascript – React.js, Nodejs, Typescript
- Backend – Node.js, Express.js, GraphQL, Serverless.js
- Testing – Jest, Mocha, Sinon, Chai
- Tools: Webpack, Docker,
- CI/CD: TeamCity, Jenkins, AWS, CircleCi
- IaC: Terraform, CloudFormation, AWS

Senior Software Engineer, DAZN.com   London

Feb 2018 — Feb 2019

Delivering full stack functionality for a world wide sports streaming service.

Key responsibilities:

- Developing a new version of the high-traffic website (Help pages)
- Implementing Live Chat functionality (Contact Us & Live Chat)
- Implementing UI components
- Collaborating with UX/UI teams and advising on the technical details of solutions
- Advising on the approach to microservice-based architecture
- Implementing microservice-based APIs
- Developing infrastructure as code solutions
- Participating in designing CI/CD pipelines

Technologies:

- Javascript – React.js, Mobx.js, mobx-state-tree
- Backend – Node.js, Restify, Express.js
- Testing – Ava, Jest, Mocha, Sinon, Chai, Webdriver.io
- Tools: Webpack, Docker, Storybook
- CI/CD: Drone.io, Jenkins, AWS
- IaC: Terraform, AWS

Senior Software Engineer, CompareTheMarket.com

Aug 2017 — Jan 2018

Comparethemarket.com is a price comparison website that allows users to compare prices on a variety of products and services, including insurance, credit cards, loans, and more.

Key responsibilities:

- Designing, prototyping, and implementing a new version of the rewards system
- Mentoring and pairing with less experienced members of the team
- Designing solutions for complex data transformation tasks

Technologies:

- Javascript – ES6, Node.js, React.js
- Testing - Jasmine, Sinon, Chai, Mocha, Jest,
- CSS – material-ui, sass
- Tools – Webpack, Docker, Storybook,

Technical Lead Software Engineer, O2 (Telefonica UK)   London

May 2016 — Aug 2017

Leading technical and architectural design of a monitoring platform collecting telemetry data from thousands of devices across the UK.

- Leading the technical and architectural design of the product
- Prototyping the first versions of the application
- Setting up quality standards for the team
- Leading the development of substantial components of the product, including the database, API, and UI areas
- Prototyping and development of critical components of the application to ensure a robust and scalable solution
- Advocating best practices across the team, including functional programming, agile methodologies, product development approach, and development workflow
- Setting up a continuous integration environment and pipeline.

Technologies:

- Javascript - ES6, Angular, React, Node
- Testing - jasmine, sinon, chai, mocha, karma,
- Database - MongoDb, Mongoose,
- CSS - sass, angular-material,
- CI/CD - Jenkins, AWS,
- Tools – Webpack, Docker, Babel

Senior Web Developer, BBC   London

Dec 2015 — May 2016

Delivering functionalities for the BBC's CMS system for journalists and editorial staff and building innovative cutting edge solutions based on the latest technologies.

Key Responsibilities:

- Creating a prototype and developing the award-winning BBC Authentication Tool app.
- Creating a prototype and actively participating in the design of the responsive version of the BBC CMS (iSite2)
- Developing responsive components and delivering new functionalities for the product (iSite2)
- Collaborating with other BBC teams to ensure the best product functionality and compatibility
- Advising the Product Manager or Technical Project Manager to ensure that all technical possibilities are explored and that products achieve the best possible look, feel, and functionality
- Evaluating the time needed to develop certain features and developing the features within a given timescale, as well as suggesting and using solutions and libraries to shorten development time and effort
- Advising on strategic technology issues and assisting with recruitment
- Mentoring and coaching less experienced members of the team
- Developing new features and products for the organisation and redesigning existing functionality using proven development methodologies, processes, and patterns along with the latest technology
- Estimating the development time for stories in the Agile Scrum process, breaking them down into tasks, and making sure they are delivered within a given time frame (sprint), as well as planning and prioritising tasks
- Resolving accessibility, usability, and cross-browser issues
- Working with third-party products and libraries and participating in pair programming and code reviews
- Implementing continuous integration.

Tools:

- Javascript - Vanilla Javascript, React.js, Node.js, Backbone.js, Require.js, Express.js, ES6
- CSS - Sass, Bootstrap, Angular-Material
- Testing - Behat, PhpUnit, Mocha, Chai, Sinon, Jasmine

- CI/CD - Hudson, Heroku, AWS, Jenkins, AWS CodeDeploy, and CodePipeline
- Web Dev Tools - Bower, Grunt, Vagrant, Webpack, Require, Yeoman, Jshint, JsLint, JsBin, Js minifiers, and more.

Web Developer, BBC London

Mar 2014 — Dec 2015

Key responsibilities

- Front-end development of the BBC CMS (iSite2), which is used by various departments such as Programmes, Sport, Blogs, Children in Need, Learning English, and other BBC pages. This involved developing new functionalities and modifying existing ones.
- Improving code modularity, usability, and testability
- Rewriting legacy code using the latest technologies into more maintainable modules
- Participating in code reviews and pair programming.

EDUCATION

Masters Degree, Technical University Lodz

Jan 2003 — Jan 2009

Masters Degree in Telecommunication and Computer Science

Title of the thesis:

Project and implementation of a web based email client with adaptive AI anti-spam filter.

Member of Microprocessor Autonomous System Academic Club - MIPSA

Recipient of IAESTES Scholarship in Spain (Universitat de Girona 2008-2009)