

Kat Terek

Creative Tech Lead and Front-End Engineer with 10+ years of experience driving scalable solutions, leading cross-functional teams and building standout digital products. Blending strong technical architecture with design sensitivity. I bring a visionary approach to user experience, innovation and meaningful impact across tech and the arts.

creativeengineering.katterek.com

code@katterek.com

+44 7597646716

London

EXPERIENCE

Career Break

JAN 2023 - APR 2025

Pivoted into creative-tech leadership, co-founding SPORES Magazine and leading cross-functional teams across editorial, design and live events. Directed marketing at TDM.Space, shaping strategy for high-profile creative clients. Built a freelance portfolio in web design, photography and video, while upskilling in AI workflows, sound engineering and creative direction.

Enroly, London - Software Engineer

MAR 2022 - DEC 2022

Contributed to the design and development of a smart enrolment platform that streamlined university admissions workflows. Worked in cross-functional product squads with a lean, UX-first approach, driving full-stack delivery from MVP to scale.

Delivered features end-to-end using React, Node.js, and Typescript, balancing speed and security across iterative releases.

Prioritised clean architecture, scalable logic, and strong integration with third-party services including S3 and RESTful APIs

Built user-friendly flows that reduced reliance on spreadsheets and improved compliance, fraud prevention and operational clarity.

Focused on modular code structure and reusability to support rapid development cycles and future platform evolution.

React, Hooks, Node.js, REST API, S3, MySQL, Redux, Typescript

NatWest, London - Software Engineer - Strategy & Innovation and Ventures

DEC 2018 - JAN 2022

Built and scaled digital tools for SMEs and internal teams across multiple full-stack web applications.

Led architectural improvements, cross-team collaboration and long-term product evolution.

Delivered production-ready features with React, Node.js and Typescript across several UX-led platforms.

Unified multiple projects under a shared monorepo with reusable UI libraries, consistent architecture and streamlined deployment pipelines.

Developed a flexible SVG icon system and implemented secure, scalable SSO flows with AWS Cognito.

Built CMS-driven multi-brand platforms using Gatsby and Strapi, empowering stakeholders to independently manage and update content across products.

Introduced Segment, GA, and GTM tracking to improve user journey visibility and support data-driven iteration.

Led retrospectives, mentored junior developers and championed scalable solutions while addressing tech debt and deployment stability.

React, Node.js, Typescript, Styled Components, GraphQL, REST API, Strapi, Gatsby, Segment, AWS Cognito, Redux, nx, Storybook, Jest

WORK PHILOSOPHY

Knowledge Sharing

Code Readability and Reusability

Constant Feedback and Iterative Approach

Sustainability and Scalability

Modularisation

Flexibility

Unopinionated Software

Forward Thinking and pragmatism

Pygmalion effect

Strategic and Holistic Approach

Proactive and insightful

approach to problem solving

Fail Fast Principle

SOFTWARE SKILLS

Javascript, ES6, React,

Hooks, Redux

Node, Typescript, Express,

REST API, GraphQL

Styled Components, Bootstrap

Material UI

Sass, Less, CSS Modules

Storybook

Strapi, Gatsby

MySQL, Mongo

Segment, GTM, Google Analytics

Websockets

nx, pnpm, npm, yarn, Docker

jest, react-testing-library,

cypress, Enzyme

TOOLS

VSCode, Sublime, Atom, Robo3T

MySQL Workbench, Perforce,

Github, Gitlab, Jenkins

Zeplin, Jira, Confluence,

Browserstack

CloudIQ, London – Frontend Engineer
MAR 2017 - AUG 2018

Built tools for Conversion Rate Optimisation (CRO) and cross-platform analytics for e-commerce clients. Worked closely with analysts to design custom testing environments and improve the visibility and reliability of data insights.

Developed a responsive analytics platform using React, Node.js and Material UI to automate the setup of CRO tools across client websites.

Built flexible dashboards and user interfaces for A/B, multivariate and holdout testing, collaborating with analysts to interpret and act on behavioural data.

Led an internal Investigation Team focused on diagnosing recurring integration issues and improving accuracy through data verification tooling.

Created internal utilities to streamline setup QA, reduce setup errors and accelerate troubleshooting turnaround across departments.

Balanced development velocity with SLA commitments, helping scale delivery capacity during a high-growth period.

React, Node.js, Typescript, MySQL, MongoDB, Material UI, Express, bigQuery, Microsoft Excel, HTML/CSS, Javascript, MySQL, Mongo

Imagination Technologies, Kings Langley – Graduate Software Engineer, PowerVR Video Display and IP Software, Encoder Team
SEP 2014 - MAR 2017

Ownership of OpenMax IL components responsible for communication between the user-mode driver and Android OS.
Maintained automated CI Perforce Pipelines on Jenkins and internal regression systems in a TDD environment.

C, Python, Android, Perforce, Jenkins

Imagination Technologies, Kings Langley – Video Software Design Summer Placement Engineer, Android Driver Team
JUN 2013 - AUG 2013

Developed internal use application for Media Codecs detection.
Investigated package sharing and algorithms for Miracast.

Android Java, Android Media API, Eclipse, ADB, AOSP, Git, Perforce

EDUCATION

University of Glasgow, Glasgow – B.Eng. Audio & Video Engineering
AUG 2014 - JUN 2014

Dynamic Range Optimization for High Quality Photographic Images

Developed the filter program with a strong emphasis on correlations, Gaussian filter and equalisation.

The filter program tested and evaluated the accuracy and efficiency of image processing algorithms based on Photographic Tone Reproduction, Tone Mapping for Realistic Images and Bilateral Transform.

Python – NumPy, SciPy, PyQt and Python Image Library, Eclipse

OTHER SKILLS

Object Oriented Programming
Declarative and Functional Programming
Automated Testing
Agile (Scrum, Sprints, Kanban),
Ownership of the code
Code reviews
Performing well under pressure
Understanding SLAs
Flexibility and adaptability to changing requirements
Reverse engineering
Great communication skills

INTERESTS

Photography
Music
User Experience
Aesthetic and functional interface
Web Design
Next Generation social media
Sustainability
Circular Economy
Online Publishing
Self Expression
Personality and Cognitive Styles
Art and Artistry
Personalization
Synergy
Biomimicry

LANGUAGES

English
Polish
German
Bulgarian

REFERENCES

Available upon request