

steken.dev

14 Brabham Court
39 Central Road
Worcester Park
KT4 8EA
London

(+44) 07523 221211

stefan.k.nowak@gmail.com

stefan.nowak@kcl.ac.uk

TECHNICAL SKILLS

Programming Languages	Python, JavaScript, Java, Go, Scala, Ruby, MATLAB, Haskell, Dart
JavaScript / Frameworks	Vue, React, NextJS, Angular, NodeJS, Ember, Svelte
Database Systems	MySQL, MongoDB, GraphQL, SQLite, SQLAlchemy, Redis, Firebase, MariaDB, etcd
Paradigms & Conventions	Good grasp of common design patterns, Algos., Data Structures, etc.
Web Technologies	Flask, Sass, HTML, CSS, Jinja2, JSX, Jekyll, REST, Networking, Rails
Other	Celery, Docker, Git, Unix/Bash, k8s, RabbitMQ, AMQP, ZMQ, Cordova, LaTeX/LyX
Services	Emarsys, Heap, Optimizely, Sparkpost

SOFT SKILLS

Strong presentation skills with a flair for research & technical analysis

Confident technical & creative author

AWARDS

Winner of the 2019 Alan Fairbourn Memorial Prize for Most Meritorious Final Year Project for master's dissertation entitled, 'Transportweet2 - Real-time public transport service analytics sourced from social media via practical application of Natural Language Processing & Machine Learning'.

LANGUAGES

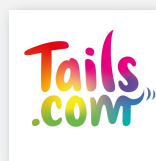
Native English Fluent Japanese Beginner Spanish



Stefan Ken'ichirō Nowak

Software Engineer, Full-stack Software Developer

EXPERIENCE



tails.com

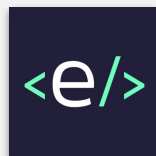
Backend/Full-stack Software Engineer
(Spencer House, 23 Sheen Rd, Richmond TW9 1BN)

Q3 2019 - present (3+ years)

Stack: **Python·Flask·JS·TS·Vue·Kubernetes·MySQL·AWS EKS/EC2**

Made significant contributions to front- and back-of-house systems for delivering **individually-bespoke D2C ecommerce at scale across UK and EU markets**. These include:

- Planning, architecting and implementing a new **VueJS frontend application with its own backend APIs, monitoring & logging, and integrating with new microservices**, to replace the legacy customer dashboard, account and delivery management pages with **zero impact to the customer experience**. (i.e., "**breaking up a monolith**")
- Supporting international expansion into **ten new European markets**, solving integration issues with our localisation service, **Transifex**.
- **Taking initiative** to bring much-needed fixes and TLC to an internal ERP/CRM platform, **taking on feedback from users** outside Engineering.
- Working with Product and Data teams to implement numerous targeted **Optimizely A/B tests** with **Heap** tracking to drive **OKRs**:
 - These included improving our **Save Rate** by implementing bespoke offers in our cancellation flow, increasing traffic to our shop app, etc.
- Implemented **process improvements** including group code review, backlog grooming, pair programming and enhanced unit testing.
- **Presented projects and talks** at company hackdays and Lightning Talks.
- Took on **Squad Lead** duties during changes in staffing.



Enki Labs, Inc.

Freelance: Developer and Course Content

Summer 2017 - 2018 (part time)

Tech stack: **React·JavaScript·MongoDB·AWS·NodeJS**

Contributed to open-source content repository of the Advanced Python course. Acted as primary front-line client support during challenging scaling phases. Gained practical experience with production IBM Compose, AWS and MongoDB deployments, monolithic (Cordova) TestFlight apps and git repositories.

2015 and previously

Sales Associate, Work Experience Internships
Inditex Group (ZARA), Nomura Group

Participated in the opening of a new flagship ZARA location on 61 Oxford Street. Also, participated in an internship at Nomura Group in localisation, IT, trading and helpdesk.



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EDUCATION

King's College London · University of London

School of Natural and Mathematical Sciences (NMS) · Department of Informatics

MSc. (i.) (Hons.) Computer Science (4 Yr) (UMSH4CSQS)

Integrated Master of Science in Computer Science

SEPTEMBER 2015 - AUGUST 2019

Award: First Class Honours

- An advanced 4-year degree program equivalent to a combined BSc. and MSc.
- Included the successful completion of two group software projects and two dissertations at **BSc.** and **MSc.** level attaining **86%** and **96%** respectively.

BCS accredited programme. Modules included A.I., A.I. Planning, Agents & Multiagent Systems, Pattern Recognition, Distributed Systems, Web Infrastructure, Web Algorithms, Operating Systems & Concurrency, Computational Models, Database Systems, Object-Oriented Specification & Design, Advanced Software Engineering, etc.

Sutton Grammar School · Lower School, Upper School and Sixth Form

A-Level and GCSE (Edexcel, WJEC, Cambridge)

SEPTEMBER 2008 - JULY 2014

Total UCAS Tariff Points: 313

A-Level: A*, A*, B, C, Distinction-3 in English Lit., Biology, Mathematics with Statistics, Chemistry, Cambridge Global Perspectives Pre-U L3 (Short Course)

GCSE: 3A*, 6A, 2B, C, Distinction, Merit including Math., Eng. Lit./Lang., triple science.

OTHER PROJECTS

	Name	Year	Principal technologies used	Description
	steken.dev (2)	2021	Gatsby, React, React Hooks, GraphQL, Yarn, threeJS	Personal site using static site generator Gatsby and graphql for queries. Build pipeline on GitHub Actions, deployed on GitHub Pages.
	rory	2019	Python, Microsoft Azure Cognitive Services, flask, wikimedia API	A system for inferencing historical cues in spoken language and providing further context sources from wikipedia.
	transportweet2	2019	Python, Ludwig, TensorFlow, AMQP, React, Node, MongoDB, GCP, Firebase	A big data-ready platform for streaming data experiments on live Twitter data for public transport QoS analytics.
	transportweet	2018	Python, NLTK, numpy, TfL Open Data API, Flutter, Angular, Node, Heroku, mLab	Estimation/experimentation with generating public transport Quality of Service (QoS) insights from live Twitter activity.
	steken.dev	2017	Jekyll, SASS, Bundler, GH Primer, HTTPS, YAML, Ruby	Personal site with various integrations, a portfolio, animations and blogging platform.
	Pacman-ML; MultiAgent Sim	2017	Python, search algos., reward functions, optimal policies, Netlogo, FIPA ACL	Markov Decision Process solvers, heterogeneous policy agents, cooperative independent agents.
	Tandem	2016	React, React Native, Cordova, SendBird, Node.js, MongoDB	Cross-platform monolithic social media app w/ realtime chat and profiles.
	DataExplore	2015	Java, JavaFX, REST APIs, Gradle, Maven, git, Mocha	Economic data visualization and augmentation environment w/ async GUI.
	SharkTracker	2015	Java, Swing, JavaFX, OOP, async APIs	Shark location data API consumer and presenter w/ async GUI.