

First make it **work**. Then, make it **beautiful**.
Then, make it **fast**. — BackType



About

I'm a Fullstack Software Engineer with strong product, team play and technology focus.
I thrive on joining project teams to take on challenges, build solutions, and grow together.
You can find me on linkedin.com/in/killian, github.com/iki, fb.com/iki23 and [@jankillian](https://twitter.com/@jankillian).

Skills

Highlights

- 3 years of AI-assisted, spec-driven and agentic development
- 20 years of development experience, agile process, owning the outcomes
- Architecture design, technological expertise, algorithms, security, performance
- Building dev stacks, component libraries, monorepos and npm/pypi packages
- Full-remote team leading, mentoring and cooperation across time zones

Technologies

- **Node.js / TypeScript / Python** backend, **GraphQL/REST API** design, OWASP
- **Next.js / React** TypeScript frontend, Apollo GraphQL, Material-UI / AntD / Fluent
- **SQL/NoSQL** data modelling, **PostgreSQL**, Redis, MySQL, MSSQL, MongoDB
- **GCP / AWS / Azure**, GitHub/GitLab/Azure CI/CD, **Kubernetes, Docker**, Linux

Languages

Czech (native), English (advanced)

Experience

Software Engineer

Be a Future, NCIKT PČR

2023-2025

Michal Fidler, Team Lead, PČR

Lead development of modern application dev stack for Czech National ICT Center

- Developed TypeScript/Node.js GraphQL API backend for existing MSSQL databases and REST APIs
- Developed Next.js frontend stack and PČR React component system based on MS Fluent UI
- Developed cross-application SSO + RBAC Auth.js package for PČR F5 BIG-IP APM OAuth server
- Setup npm packages monorepo, npm sync, Git sync and K8s deployment Azure DevOps pipelines

Software Architect

VRV – Vodohospodářský rozvoj a výstavba a.s.

2023

Kateřina Hánová, CTO

Submitted proposal for VRV IS re-implementation on a modern tech stack

- Analyzed and planned VRV IS re-implementation with MS AAD authorization and F&A, CRM and 3rd party integrations on TypeScript, Node, PostgreSQL, GraphQL, Next.js and React
- Planned on-premise deployment and data migration from existing MS SQL server
- Planned service operation processes for administration, monitoring, backup and disaster recovery

Software Engineer

OAK'S LAB

2020-2022

Theo Dluhy-Smith, COO & Founder

Developed backends and frontends (80/20) on agile startup projects in full-remote mode

- Designed and developed backend architecture, data models, services, API and CI/CD in TypeScript, Node.js, Apollo GraphQL, Prisma, PostgreSQL, Redis, Google Cloud Run, Firebase, GitHub Actions
- Setup and developed frontend stacks and component systems in React, Material-UI, Ant Design
- Co-developed the MPV and developed Braintree / Tilled payment gateways integration on [Crave](#)
- Developed structured text extractor and parser for complex loan agreements (docx) on [Simyra](#)

Software Consultant
SABO Mobile IT

2019

Pavel Zdeněk, Solution Architect

Prototyped GraphQL migration of complex Audi digital planning assistant application

- Developed TypeScript GraphQL backend on top of existing MSSQL database with .NET REST API
- Built containerized prototype environment and lead migration workshop for the development team

Software Engineer

PwC – The Experience Center (Digital Accelerator)

2017-2018

Andreas Leicher, Agile Architect

Developed rapid agile applications in a full-remote team

- Co-developed frontends with React, GraphQL, Recharts, Material-UI, Swift and ARKit
- Co-developed tech stacks, GraphQL API tests and DP/ML pipeline (Python, PubSub, MongoDB)

Software Engineer

Stories BI (acquired by Workday)

2016-2017

Peter Fedoročko, Founder, CEO

Co-developed Augmented Analytics frontend with React, Redux, Apollo GraphQL, HighCharts

Software Engineer

Salsita Software

2013-2016

Roman Kaspar, Director of Engineering

Developed web applications with React, Redux, Angular, Flask, REST, RAML and MySQL

- Co-developed Balfour MyYear photo manager with React, Redux, SVG
- Developed Balfour Reporting backend and frontend with Python, Flask, MySQL, Angular, HighCharts
- Developed Angular core for SmartBear SaaS platform and AlertSite service
- Developed mobile HTML5 Angular apps for Monterosa and major british TV's

Head of Software Development

Netmail (expanded to Revolgy)

2012-2013

Bohuslav Dohnal, CEO

Lead development projects using Python, Google App Engine and Google Apps

- Developed Google App Engine Python backends and REST APIs
- Developed tasks to synchronize Google Apps users, calendars, documents and document changes

Software Developer

Multiple startups and customers

2010-2011

Tomáš Bílý, MFF UK R&D

Developed projects using Python, Linux and Google App Engine

- Developed prototype of p2p cloud VPN node management with Python, MongoDB, Ubuntu
- Developed prototypes of REST API backends on Google App Engine

Software Developer

Commerzbank

2005-2009

Ryan McGloin, Local Head ADS

Developed Intranet applications, CI, security tests, tools for reporting, integration and management

- Lead development of Intranet CMS applications in Firstspirit, Java, Jython, Beanshell
- Analyzed e-banking and server infrastructure migration to the in-house managed server platform
- Setup testing environment and SUSE Linux, WebSphere / JBoss, Oracle / Sybase infrastructure
- Developed reporting/integration/management tools in Python, Shell, Connect:Direct
- Co-developed the Application Security Test Concept based on OWASP

IT&eB Executive

Wyeth (acquired by Pfizer)

2002-2004

Vladimír Chmela, CFO

Responsible for IT of Czech branch in a global network

- Planned budget and managed assets, suppliers and services
- Managed Novell NetWare 5.1, GroupWise 5.5, Windows 2k and S&M, F&A, R&D applications
- Reshaped network for global setup compliancy, cooperated in merge into global NDS
- Implemented global ZENworks management, supported global WAN, RAS, ITC and eB solutions
- Coordinated local JDE implementation, network infrastructure upgrade and country intranet setup

MIS Technician

TRW (acquired by ZF)

1999-2000

Shahed Jamal Ashraf, CFO

Responsible for Brain XPPS production planning and control system, co-responsible for IT

- Managed XPPS on AS/400, provided data reports for F&A, logistics and warehouse management
- Managed Novell NetWare 4.11/5.0 network with global NDS, GroupWise, WAN, EDI, RAS solutions
- Coordinated warehouse inventories with CFO

User Support Technician (Civil Service)
University of Economics

1998-1999
Jan Havlíček, Support Manager

Supported 1500+ employees in a 3-member team

- Installed new hardware and software, reimplemented image based workstation deployment
- Cooperated in LAN/MAN/NetWare maintenance and setting up a new college network

Network Administrator
H-Media

1996-2002

Michal Ouzký, Technical Manager

Responsible for IT

- Implemented and managed Novell NetWare 4.11/5.1 network with ZENWorks, Windows 95/98/NT, Internet, email, backup, security and data exchange solutions

Network Administrator
Billboard (acquired by Akzent / BigBoard)

1994-1997

Štěpán Hutla, CTO

Responsible for IT

- Setup Novell NetWare 3.12/4.11 network with Windows 3.1/95, Internet, email, backup, security
- Managed development of campaign building client application

Network Administrator (Scholarship Activity)
MFF UK (Faculty of Mathematics and Physics)

1994-1995

Co-administered Novell NetWare 3.11 computing lab network

E d u c a t i o n

Gymnázium Korunní - Zborovská

1990-1994

Branch: Mathematics

Degree: Maturita (General Certificate of Education)

MFF UK (Faculty of Mathematics and Physics)

1994-1997

Branch: MSc in Computer Science (MSCS)

Interrupted in the fourth semester due to time constraints with two parallel jobs