Jan Killian

jan.kil....@gmail.com, +420-776-0-776-76
20 Sokolská St., Prague 2, 120 00, CZ, EU

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

iki.bio.link

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.

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 architected VRV IS re-implementation with MS AAD security and F&A/CRM integrations in TypeScript, Node, PostgreSQL, GraphQL, Next.js and React
- Planned and estimated features and milestones, built Dev/QA team, outlined iterative waterfall workflow and channels
- Outlined on-premise deployment, data migration and service operations

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