

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

A b o u t

I'm Fullstack Software Engineer focused on Backend architecture, API design and Data processing. Working on projects to meet people, take on challenges, build things and learn.

You can find me on [linkedin.com/in/killian](https://www.linkedin.com/in/killian), github.com/iki, [fb.com/iki23](https://www.facebook.com/iki23), and [@jankillian](https://twitter.com/jankillian).

S k i l l s

Focus:	<ul style="list-style-type: none">▪ TypeScript/Node.js/Python backend on AWS/GCP/premise▪ SQL/NoSQL data modelling, GraphQL/REST API design▪ Docker, GitHub/GitLab CI, application security, performance optimization▪ React TS frontend with Apollo Client and MUI/AntD
Background:	<ul style="list-style-type: none">▪ PostgreSQL, Redis, MySQL, MongoDB, GAE DataStore, Sybase, IBM DB2▪ Shell, C, Java, Jython, PHP, Perl, Asm x86▪ Linux, Novell NetWare, OS/400 and Windows servers
Talents:	Architect, analytic and conceptual thinker, troubleshooter, team player
Languages:	Czech (native), English (advanced)

E x p e r i e n c e

Software Engineer

OAK'S LAB

since 2020

Ref: [Theo Dluhy-Smith](#), COO & Founder

Developed backends and some frontends on agile startup projects in full remote mode.

- Designed and developed architecture, data models, services, API and CI in TypeScript, Node.js, Apollo GraphQL, Prisma, PostgreSQL, Redis, Google Cloud Run, Firebase, GitHub.
- Developed frontend stacks and component systems in React and Material-UI / Ant Design.
- Developed DocX structured text extractor and complex 3-level entity parser for legal documents.
- Developed Braintree and Tilled payment gateways integration.

Software Consultant

SABO Mobile IT

2019

Ref: [Pavel Zdeněk](#), Solution Architect

Prototyped GraphQL migration of complex Audi digital planning assistant application.

- Developed TypeScript/Node/Apollo backend on top of existing MySQL 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

Ref: [Andreas Leicher](#), Agile Architect

Developed rapid agile applications in a full-remote team.

- Co-developed frontends in React/GraphQL/Recharts/MUI, and in Swift/ARKit/GraphQL for iOS.
- Co-developed Python/PubSub/MongoDB DP/ML pipeline, project blueprints, GraphQL API tests.

Software Engineer

Stories Augmented Analytics (acquired by Workday)

2016-2017

Ref: [Peter Fedoročko](#), Founder, Head of Engineering

Co-developed React/Redux/Apollo/GraphQL/HighCharts frontend for Augmented Analytics.

Software Engineer

Salsita Software

2013-2016

Ref: [Roman Kaspar](#), Director of Engineering

Developed web applications with React/Redux, Angular, Flask, REST API's, RAML, and MySQL.

- Co-developed React/Redux/SVG photo manager for next generation of Balfour MyYear.
- Developed Python/Flask/MySQL backend, and Angular/HighCharts frontend for Balfour Reporting.
- 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

2012-2013

Netmail (expanded to Revolgy)

Ref: Bohuslav Dohnal, Managing Director

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

2010-2011

Multiple startups and customers

Ref: Tomáš Bílý, MFF UK Researcher and Developer

Developed projects using Python, Linux and Google App Engine.

- Developed prototype of p2p cloud VPN node management with Python/Kamaelia/MongoDB/Ubuntu.
- Developed prototypes of backends and REST API's on Google App Engine.

Software Developer

2005-2009

Commerzbank

Ref: Ryan McGloin, Local Head ADS

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

- Lead development of Intranet CMS applications in Firstspirit/Java/Jython/Beanshell.
- Analysed 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

2002-2004

Wyeth (acquired by Pfizer)

Ref: 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/security/ITC/eB solutions.
- Coordinated local JDE implementation, network infrastructure upgrade and country intranet setup.

Network Administrator

1996-2002

H-Media

Ref: Michal Ouzký, Technical Manager

Responsible for IT.

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

MIS Technician

1999-2000

TRW (acquired by ZF)

Ref: 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)

1998-1999

University of Economics

Ref: 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

1994-1997

Billboard (acquired by Akzent Media)

Ref: Štěpán Hutla, Technical Director

Responsible for IT.

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

Network Administrator (Scholarship Activity)

1994-1995

Faculty of Mathematics and Physics at Charles University (MFF UK)

Co-administered Novell NetWare 3.11 computing lab network.

E d u c a t i o n

Secondary and University Education

Gymnázium Korunní - Zborovská

Specialization:	German Language	1990-1991
	Mathematics	1991-1994
Degree earned:	Maturita (General Certificate of Education)	

Faculty of Mathematics and Physics at Charles University (MFF UK)

Study branch:	Master Study (MSc.) of Computer Science	1994-1997
Interrupted the study in 4th semester due to time constraints with 2 parallel jobs.		