

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 GraphQL API's, data processing and machine learning. 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, and [@jankillian](https://twitter.com/jankillian).

S k i l l s

- Focus:
- **TypeScript/JavaScript** Frontend: **React**/Redux/Apollo, data visualization
 - **Node/Python** Backend: **Apollo**/Prisma/Flask, AWS/GAE/GCP, data processing
 - **SQL/NoSQL** data modelling, **GraphQL**/REST API design and implementation
 - **Docker/K8S**, GitLab CI/CD, web application security, performance optimization
- Background:
- PostgreSQL, MySQL, MongoDB, Redis, 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 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

[Netmail \(expanded to Revolvy\)](#)

2012-2013

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

Multiple startups and customers

2010-2011

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

[Commerzbank](#)

2005-2009

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/IBoss/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

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

H-Media

1996-2002

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

TRW (acquired by ZF)

1999-2000

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)

University of Economics

1998-1999

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

Billboard (acquired by Akzent Media)

1994-1997

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)

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

1994-1995

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)

1994-1997

Study branch: Master Study (MSc.) of Computer Science

Interrupted the study in 4th semester due to time constraints with 2 parallel jobs.