
Nicholas Petrasek

Principal Engineer & Full-Stack Developer

Vienna / Remote · +43 676 965 4266

nicholas.petrasek@nipolutions.com

nipolutions.com [GitHub](#) [LinkedIn](#)



Profile

I build software from the first architecture decisions through to reliable production. My focus: modernising existing systems, building data-intensive applications and guiding teams through delivery.

Core technologies

Java / Spring Boot · TypeScript / React / Next.js · Angular / React Native · Kafka / ClickHouse · PostgreSQL / Oracle · Docker / Kubernetes · AWS / GCP · GitHub Actions / Jenkins · CI/CD / TDD / Clean Architecture

Professional experience

Founder & Principal Engineer · NIPE Solutions e.U.

Aug 2022 - present

Own software consultancy from discovery to production handover. Responsible for architecture, client relationships and technical leadership of up to 6 engineers.

Automated release processes across 3 clients, reducing mean lead time to production by 80%.

Modernising and scaling e-commerce

Food retailer · Austria · 18 months

- Modernised a legacy shop with Next.js, Redux Toolkit and TanStack, improving First Contentful Paint by 40%. Built an AES-256 token bridge for seamless SSO between the old and new shops.
- Split a Python monolith into event-driven Spring Boot services with Kafka and OpenAPI.
- Swiss launch in under four weeks, exceeding 700 orders per day. Scaled Austria from 15,000 to 25,000 weekly orders (+66%). Shipped revenue features supporting double-digit weekly GMV growth.

Reporting at telemetry scale

Tolling and mobility provider · Europe · 12 months

- Designed a data platform using MySQL CDC / Debezium, Kafka, Spring Boot ETL and ClickHouse.
- Denormalised telemetry to reduce daily reports from 12 hours to 2 minutes (-99.7%) and scale from 200,000 to 10,000,000 on-board units.
- Delivered a reporting service with REST/JSON and columnar SQL for BI self-service.

Additional projects: article master-data service, lottery cloud launch and social-media automation.

Further experience

Senior Full-Stack Developer · Amundi Austria GmbH

May 2021 - Oct 2022

- Delivered internal data-management dashboards with Angular and Spring Boot and a rules-based import mapper for business users.
- Built an allocation engine for new investment products; mentored 3 junior developers in clean code and TDD.

CTO & Co-Founder · MeinKart

Dec 2020 - Mar 2022

- Defined the product roadmap with the CEO. Built a reusable design system with Figma, React and Firebase, cutting feature lead time by 40%.
- Set up CI/CD on GCP, Stripe payments, Algolia search and automated tests.

Full-Stack Developer · Accenture GmbH

May 2019 - May 2021

- Migrated Liferay XML content to POJOs, built generic REST scaffolding and automated text classification with Python/PyTorch.
- Supported a Windows 10 compatibility rollout and multi-domain Active Directory migration.

IT Training & Practice · Siemens AG Austria

Sep 2014 - May 2019

- IT training with practical experience in SAP SD, Java utilities and network administration.

Certificates

Liferay DXP 7.2 Frontend Developer

Jun 2020 · Vienna

Oracle Certified Associate (OCA)

May 2019 · Frankfurt

Scrum Master PSM I

May 2019 · Frankfurt

Languages & collaboration

English (C2) · German (B2)

Coaching & mentoring · Stakeholder management · Analytical problem-solving