Philipp Kopp 🇩🇪 🇬🇧

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WORK EXPERIENCE

Solo game developer (Sabbatical @ Netlight)   **Jun 2023 – Feb 2024**

QA Manager @ {Undisclosed Mobility Company} (via Netlight)   **Jan 2023 – Jun 2023**

- **Established** {Mobility Company} as **new client** starting with QA strategy pitch, **leading to 4 contracts total**
- Project: adding **"Deutschlandticket" to white label solution: mobile, web apps** + ticketing, routing, payment etc. from **7 tech partners for 10 clients**; big bang release with 1 minor incident
- **Lead a team of four (incl. test manager); focus on bug, release & E2E test mgmt. from design to execution in Jira Xray**; optimized regression cases from >8h to <2h; improved defect leakage (to user acceptance testing) by 18% through targeted test coverage
- Other measures: **dev. testability coaching** to cover blind spots; **formalizing + automating bug, testing & requirements processes** to reduce rejected bugs by 38%, e.g. by incorporating more incl. cross-functional collaboration and amigo sessions; **driving domain knowledge documentation** to cut QA onboarding from 3.5 to 2 weeks; overseeing first API automation saving 10min per legal texts regression through API docs analysis

Fullstack Developer @ FlixBus (via Netlight)   **April 2022 – Dec 2022**

Cloud Architecture Consultant @ DirectFEM (via Netlight)   **Mar 2022 – Mar 2022**

- Crafted **high-level AWS architecture for new client** in tandem with frontend architect: RDS Aurora DB schema, Python microservices + APIs, React frontend, TypeScript migration strategy, Cognito auth., GitLab + Fargate CI/CD with Playwright automated E2E testing, AWS SNS + Batch heavy worker async scheduling
- Company later bought by Hyperganic

Full Stack Tech Lead / Solution Architect @ JSMDG (via Netlight)   **Nov 2018 – Mar 2022**

- **Project: ~5 x 4-8 developer teams in Scrum of Scrums working on new white label e-commerce platform with event- and domain driven microservices**; my domain: **checkout, orders & payment** (e.g. full PayPal solution design)
- **QA**: co-creator /**owner** (among 4) of **custom, parallelized API/E2E testing framework** using Jest, Puppeteer & Allure, e.g. **overseeing** PRs, test suites & strategy across **all teams**; also conducting load-, pen-, infrastructure tests with k6, OWASP Zed & Chaos Monkey
- **Monitoring**: <u>creator</u> of monitoring tooling around Prometheus, Grafana, Kibana (ELK), later **managing alerts, metrics, logs, RUM, APM in Datadog and coaching cross teams** incl. incident/troubleshooting processes
- **Knowledge Mgmt.**: co-**owner (among 3) of developer onboarding** incl. creation best practices example microservice to greatly improve speed and quality of new service creation; authoring guidelines for service and architecture documentation in PlantUML/C4; **initiator and moderator** of the 1h weekly **Community of Practice (CoP) developer knowledge sharing** session, growing from ~15 devs to multiple sub-formats ~20-40 devs each

Fullstack Developer @ Fielmann (via Netlight) **April 2018 – Nov 2018**

QA Engineer @ Sixt (via Netlight) **Jan 2017 – Apr 2018**

- **API/UI automation with Java Selenium** & Cucumber in team of 2: automation of over new 120 cases, increasing run time from >4h to >8h in Jenkins, later optimized to >3 through parallel execution using TestNG; Test design through amigo sessions with POs using Gherkin
- Reduced troubleshooting time from hours to minutes for ~1/3 of tests by implementing **improved reporting with Serenity BDD over JUnit**

EDUCATION

(M.Sc.) Information Systems **10/2010 - 05/2016**

TUM Munich & NUS Singapore | **GPA: 3.7/4.0 (Top 9%)** | Focus: Software engineering
Student representative | **Entrepreneurial scholarship** "Manage&More" (Student consultant + project mgmt.)

SKILLS & INTERESTS

QA: xUnit e.g. Jest …| Int/API: Docker, Postman, OpenAPI, Supertest … | UI: Puppeteer, Selenium, Cucumber … | Load: k6 | Pen.: OWASP | DevOps: Chaos Monkey | Static: SonarCube, ESLint ... | Jira: Xray, Zephyr, Gherkin | Monitoring (alerts, metrics, logs, RUM, APM): Datadog, Grafana, Prometheus, Kibana, Sentry.io

Agile / Management: Team lead (~5 people) | Scrum (of Scrums) | Confluence, PlantUML, BPMN, CoPs

Domain: E-Commerce: PayPal/Stripe/AmazonPay, Checkout/Orders, Pimcore | Mobility services

Software Engineering: Domain Driven Design | Microservices | Kafka | NestJS, TypeScript |PHP Symfony | SQL, MongoDB | React, GoLang, Java

DevOps: AWS | Jenkins, GitLab | Kubernetes, Docker

Interests: Gymnastics/Tricking @ FAM (>10y) | Game Design / Development (>1y, Godot) | Knowledge Sharing (own Blog) | DIY: woodworking, electronics, cooking…