

Dennis Otto

Application Development · Systems Integration · Data Engineering

Design, development, and modernization of user-centric and data-driven applications.

Profile

I have been developing and modernizing web and data applications since 2008.

My focus is on PHP, Python, APIs, integration architectures, and reliable event-driven processes. I combine technical depth with pragmatic collaboration—from pair programming and code reviews to Scrum and Kanban.

Professional Experience

Smartbroker AG

Senior Backend Developer · September 2020 – Present

Shared technical responsibility for backend, integration, and data solutions with a focus on architecture, solution design, and smooth production operations. Agile development with Scrum and active participation in planning sessions and retrospectives. High test coverage and a consistent commitment to quality in an environment where reliability and trust are essential.

RESPONSIBILITIES

- Design and continued development of APIs and integrations for customer-facing processes, CRM, and marketing systems
- Safeguarding critical workflows through automated tests across multiple layers
- Quality assurance and knowledge sharing through code reviews and pair programming

Securities Account Registration PHP Symfony RabbitMQ

- Continued development of a microservice-based registration process and its REST API for the frontend
- Reliable asynchronous processing via RabbitMQ and Symfony Messenger
- Safeguarding distributed workflows with retry mechanisms and idempotent processing
- Integration of PostIdent and partner banks
- Automated PDF generation using PDF forms and pdftk

Data Integration & Middleware PHP Symfony RabbitMQ

- Decoupling CRM and marketing systems through asynchronous middleware for Bloomreach, CleverReach, Sage, and Bitrix24
- Reliable processing of potentially unordered events through a state-based Bitrix24 integration service

Data Warehouse Python Airflow dbt BigQuery Looker Studio

- Creation of a shared analytics foundation for master, transaction, and portfolio data
- Data transformation with dbt in BigQuery
- Multi-layered data model comprising staging, intermediate, and curated layers
- Reduction of BigQuery on-demand costs by 40 percent through targeted usage optimization
- Provision of prepared data for Looker Studio



CONTACT

Am Lückefeld 13

15831 Mahlow

Germany

+49 176 622 47 871

ottodenn@gmail.com

dennis-otto.net

Date of birth: Jan 5th 1989

TECHNICAL SKILLS

PHP Symfony Laravel Python
JavaScript SCSS MySQL / MariaDB
PostgreSQL BigQuery dbt Airflow
RabbitMQ Docker AWS

LANGUAGES

German Native

English B2/C1

Professional Experience

Quadriga Media Berlin GmbH

(Senior) Web Developer · August 2008 – August 2020

Full-stack web development with technical responsibility for architecture and solution design, plus a particular focus on usability and the modernization of legacy systems. Close collaboration with business departments to develop tailored solutions for customers and colleagues.

RESPONSIBILITIES

- Design and architecture of user-centric applications in close collaboration with business teams
- Implementation of integration and process solutions across system boundaries
- Technical point of contact and informal mentor within the development team
- Incremental modernization of established PHP systems during ongoing operations

Job Advertisement Portal PHP Laravel JavaScript SCSS

- Consolidation of job advertisement management in a central platform
- A shared API serving multiple thin frontends
- Integrated payment processing through Pretix and Magento
- Quota management for media agencies
- Responsibility from concept and visual design through maintenance and continued development

Newsletter & Marketing Software PHP Laravel AWS SQS

- Development of a decoupled, queue-based email delivery system
- Improved delivery quality through integrated spam and deliverability checks
- Flexible campaign preparation through list and template management with dynamic Excel imports
- Concept development in close collaboration with marketing

Learning Portal PHP CodeIgniter JavaScript SCSS

- Development of course and participant administration with CRM integration
- Flexible learning content through modular courses with videos, Markdown documents, and podcasts
- Knowledge assessment through quizzes and web-based training with multiple-choice and SCORM content
- Responsibility from concept and visual design through maintenance and continued development

Award Application Portals PHP CodeIgniter JavaScript SCSS

- Reusable multi-tenant system supporting four to six awards per year plus historical data
- Separate workflows and interfaces for applicants and juries
- Integrated payment processing through Pretix or Magento

Education

Vocational training as an IT assistant

Oberstufenzentrum für Informations- und Medizintechnik

Berlin · 2005–2008

Carl-Zeiss-Gesamtschule

Berlin · 2001–2005