

# Pranav Gautam

## Staff Engineer

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Heidelberg, Germany

<https://pranavgautam.me>

<https://github.com/bugsbunny5290>

## PROFESSIONAL SUMMARY

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I'm a Staff Engineer based in Heidelberg, Germany, with 8+ years of experience designing and scaling cloud-native systems — primarily in healthcare tech and B2C platforms.

My background spans the full arc from researcher to technical leader to individual contributor. I spent time at DFKI and at a health-tech initiative supported by the Hasso Plattner Institute early in my career, then joined DrAnsay AU-Schein GmbH as CTO, where I grew the engineering organisation from 3 to 15 people and the platform to 2M+ users. I deliberately stepped back from management to go deeper on architecture, platform engineering, and systems design — which is where I do my best work.

I'm currently based in Heidelberg, working remotely for a Hamburg-based company.

Outside of work: I'm interested in personal finance systems, European geography, and building tools that make developer workflows faster.

## EXPERIENCE

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### Staff Engineer

Dec 2019 - Present

DrAnsay AU-Schein GmbH | Hamburg, Germany (Remote from Heidelberg)

Platform engineering and cloud architecture for a telemedicine platform connecting patients with licensed physicians for online consultations, prescriptions, and digital healthcare services — serving 3M+ patients across Germany. Previously served as CTO, transitioned to hands-on engineering as the company scaled.

- Own end-to-end cloud architecture on GCP — 10+ microservices processing 100K+ requests/day with a P90 SLA commitment.
- Reduced production incidents from several per day to approximately twice per month through structured on-call, runbooks, and automated alerting.
- Leading platform migration from Cloud Functions to GKE-hosted managed services, improving deployment isolation and enabling independent service scaling.
- Implemented GitOps workflows with ArgoCD, enabling multiple production deployments per day with full audit trail and one-click rollback.

### Resident Entrepreneur

Nov 2018 - Apr 2019

Data4Life (supported by Hasso Plattner Institute) | Potsdam, Germany

Selected for a competitive R&D programme at HPI's health cloud initiative.

- Designed architecture for a voice-driven data collection platform; built functional prototypes used to validate product-market fit before full investment.
- Represented Data4Life at HIMSS 2019 (Orlando), pitching to healthcare executives and potential partners.
- Led technical hiring for the Barcelona mobile team expansion.

### Guest Researcher

Feb 2018 - Nov 2018

DFKI GmbH | Kaiserslautern, Germany

Research at one of Europe's largest AI research institutions, focused on context-aware computing.

- Researched context-aware survey systems; conducted comprehensive literature review identifying gaps in adaptive question design.

- Designed and implemented a rule-based dynamic survey engine adapting questions based on real-time signals (location, weather, sensor data).
- Built extensible architecture supporting future biometric sensor integration (accelerometer, heart rate).

## UI Designer (Industry Project)

Oct 2016 - Dec 2016

Fraunhofer IESE · John Deere ETIC | Kaiserslautern, Germany

Joint Fraunhofer–John Deere project for agricultural technology interfaces.

- Designed speech recognition UI for agricultural machinery operators as part of a joint Fraunhofer–John Deere project.
- Delivered wireframes and interactive prototypes aligned to John Deere's design system.

## EDUCATION

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### European Masters in Software Engineering

2015 - 2018

TU Kaiserslautern & Universidad Politécnica de Madrid | Germany & Spain

### Bachelor of Technology in Information Technology

2008 - 2014

Guru Gobind Singh Indraprastha University | New Delhi, India

## LANGUAGES

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Hindi - Native

English - Advanced (C1)

German - Elementary (A2)

## TECHNICAL SKILLS

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### Cloud & Infrastructure:

GCP

Kubernetes

Firebase

AWS

Cloud Run

Cloud Functions

### Backend:

NestJS

Node.js

Express

PostgreSQL

MongoDB

Redis

GraphQL

### Frontend:

React

Next.js

TypeScript

Vue.js

Tailwind CSS

### DevOps:

Gravitee APIM

ArgoCD

GitOps

Pulumi

Terraform

Helm

Docker

GitHub Actions

CI/CD

### Languages:

TypeScript

JavaScript

Python

SQL

Bash