# Takahiro Mitsui

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## EXPERIENCE

**Full stack Developer**                                           February 2021 - April 2024
*Face The Facts*                                                         *Berlin, Germany*

- Developed a RESTful API using FastAPI
- Established the database on AWS
- Implemented an Event-Driven Architecture using Redis Pub/Sub
- Created UI using React and Typescript

**App**: FaceTheFacts Politik & Wahlen

**GitHub**:github.com/FaceTheFacts/backend

**Backend Developer - working student**                         June 2023 – December 2023
*Siemens*                                                                *Berlin, Germany*

- Developed a GraphQL API using Flask and PostgreSQL
- Implemented authentication and authorization protocols with Microsoft Azure Active Directory
- Created an Admin Control Panel using Flask-Admin, improving user management
- Developed a full-stack web application to fetch and display prediction data powered by a machine learning model

**Frontend Engineer - working student**                     May 2022 – September 2022
*Foundamental*                                                           *Berlin, Germany*

- Developed a web application using Next.js and Typescript
- Integrated a GraphQL API with Apollo Server

## PROJECTS

**CRAC/Warhol | DevOps, Smart Contract developer**        February 2022 – December 2022

- Contributed to the development and DevOps practices of the CRAC/Warhol project, aiming to revolutionize advertising on social media through NFT (Non-fungible Token) technology
- Utilized DigitalOcean for infrastructure, NGINX for web server configuration, and PostgreSQL for database management

**GitHub**: github.com/ProjectWarhol/backend

## TECHNICAL SKILLS

**Languages**: Python, Typescript, JavaScript, Rust, Go, HTML, CSS, SQL
**Frameworks**: Flask, FastAPI, NestJS, Node.js, Next.js, React, schadcn/ui, Material-UI, PostgreSQL, MongoDB, Tailwind CSS
**Developer Tools**: Git, GitHub, GitLab, Docker, AWS, DigitalOcean
**Tech Skills**: RESTful API design, GraphQL, CI/CD, Containerization, Event-Driven Architecture

## LANGUAGE SKILLS

**Japanese**: Native
**English**: Professional proficiency
**German**: Entry level

## EDUCATION

**CODE University of Applied Sciences**                               Berlin, Germany
*Bachelor of Science in Software Engineering*                       *July 2020 – April 2024*

**Tokyo Medical and Dental University**                                  Tokyo, Japan
*Master of Science in Health Sciences and Biomedical. Molecular Biology*    *April 2017 – March 2019*