

Alexander Ogilvie

SOFTWARE ENGINEER

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Professional Experience

Indeed Japan

Tamachi, Tokyo, JAPAN

SOFTWARE ENGINEER II

August 2021 - present

- Became team's source of knowledge on site performance logging and indexing
- Evangelised and pioneered the use of GraphQL within the team
- Led development of a back-end microservice to power a brand new mobile app; Completed development in a single quarter
- Took part in the interviewing process to hire new engineers as a whiteboarding interviewer
- Created reusable libraries in Java and Node.js to support use of Indeed's 3-legged OAuth
- Acted as designated first responder to respond to outages
- Led multiple design reviews to garner invaluable feedback from peers on proposed system design

Zehitomo

Ichibanchō, Tokyo, JAPAN

SOFTWARE DEVELOPER

September 2018 - July 2021

- Led a team of 4 engineers in development of the company's next-gen product
- Headed a complete rebuild of the mission critical core matching algorithm; Improved both reliability and speed
- Drove the development of a multi-factor weighted sorting system using predictive analytics and regression analysis; Tripled the number of matches within 1 month of release while simultaneously improving match quality for users
- Transformed the interviewing process with a focus on testing relevant skills; Interviewed 100+ candidates; Built the current team of 10 engineers
- Evangelised a test-driven development approach; Consistently added 100+ tests per month to a legacy codebase; Introduced type annotations
- Wrote and published the company's first style guide and linting/formatting package to enforce consistent style across entire codebase
- Designed and developed internal tools in collaboration with sales team, allowing them to reach profitability

Code Chrysalis

Moto-Azabu, Tokyo, JAPAN

SENIOR FOUNDATIONS INSTRUCTOR

July 2018 - present

- Created and maintained technical curriculum in collaboration with team of instructors, including presentations and exercises
- Delivered classes both in-person and remotely to over 300 beginner- and intermediate-level students

Seibu Gakuen Bunri Elementary School

Sayama, Saitama, JAPAN

ASSISTANT LANGUAGE TEACHER

December 2013 - March 2018

- Taught English, Music, Art and P.E. to 400 students aged 6-12; Created and led 15 lessons per week
- Organised and directed an English language musical for 20 students aged 6-10, performed in front of the entire school
- Hosted multiple school events as the English-speaking MC

Oxford University Computing Services

Oxford, UK

HELP CENTRE ASSISTANT

October 2010 - November 2013

- Advised members of Oxford University experiencing IT problems; Resolved problems in person, by email, and on the telephone

Education

Code Chrysalis

Moto-Azabu, Tokyo, Japan

IMMERSIVE PROGRAMME

April 2018 - June 2018

- Designed and implemented mobile app using React Native and Redux; Integrated and configured Google Maps/Apple Maps
- Published mobile app on the Apple App Store and Google Play Store; Spearheaded branding for the app

Pembroke College, University of Oxford

Oxford, UK

MASTER OF CHEMISTRY

October 2009 - July 2013

- Undertook a rigorous 4 year masters degree, with over 180 hours of practical work
- Drove the direction of my own novel research project over the course of a year; Authored an academic paper which was published in a reputable journal (*Catalyst-free synthesis of sodium amide nanoparticles encapsulated in silica gel*, *Chem. Phys.*, Vol. 427, 2013, pg 61-65)
- Volunteered as a college ambassador to widen access; Visited state school in North-West England to promote the University

Skills

Technical Skills

- JavaScript, TypeScript, NodeJS, MongoDB, Express.js, Java, Spring, TDD, React, NextJS, GraphQL, HTML/CSS

Languages - Native English, Conversational Japanese (N3)

Interests - Playing piano, teaching programming, eating great pizza, long-distance train rides