

Jeremy John

[Github](#) [LinkedIn](#) [Interactive CV](#)

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SKILLS

Python, Flask, SQLAlchemy, PostgreSQL, AWS, Git, Dart, Flutter, Insomnia, SocketIO, JavaScript, Redis, Jira, HTML5, CSS3, jQuery, Javascript, Linux, Debian, Docker, Pandas, Jupyter, nginx, Ruby

PROJECTS

Wellread (Python, Flask, SQLAlchemy, Postgresql, AWS EC2, Flutter, AWS S3) [Live Site](#) | [Github](#)
Goodreads-like full stack showcase of typical web dev proficiencies. Features listed below:

- Flask backend hosted on an EC2 server, Flutter frontend hosted on S3 with Cloudfront.
- Login as a guest or signup via email (AWS SES. Emails are only sent for signup / forgot pw)
- Enjoy C.R.U.D operations around bookshelves, books, ratings, reviews, & users. Sort and search books, browse other users' shelves, rate books and see the impact on average rating.
- Image-handling allows for scaling book covers to a requested size and downloading subsequent requests from a cache (modified AWS Cloudformation solution).

See more projects at jeremyjohn.me/#realizations

EXPERIENCE

Full Stack Developer

Sector5Digital (S5D), a subsidiary of The Glimpse Group

Jun 2022 - Jun 2024

- Handled all implementation save for art/design for a number of web apps using Flutter on the frontend, hosting on S3 with Cloudfront, DNS etc deployed via aforementioned Cloudformation templates and backend implementations as needed via cost-effective Lambda functions via API Gateway.
- Prototyped Stable Diffusion image generation with face-swapping API by leveraging an open-source ComfyUI-to-Python script generator and porting that code to Flask.
- Prototyped AI (ChatGPT) virtual assistant featuring speech-to-text input and text-to-speech response via AWS Polly with custom audio-visualizer.

Backend Developer

SpearXR (f.k.a. KreatAR), a subsidiary of The Glimpse Group

Jun 2020 - Jun 2022

- Devised AWS Cloudformation templates for oft-needed small deployments (e.g. static website hosting and DNS management).
- Implemented server-side email sending and a cloud-based email event tracking (bounces, clicks, opens) via -- on the cloud side -- AWS SES, SNS, and Lambda.

Full Stack Developer

KreatAR, a subsidiary of The Glimpse Group

Sep 2018 - Jun 2020

- Implemented frontend authentication and authorization.
- Architected backend REST application including its SQL database and integration with AWS S3, Cloudfront, EC2 deployment via Elastic Beanstalk (production) and non-production environments directly hosted on EC2 with nginx for compute sharing & reverse proxy needs.

EDUCATION

App Academy (Spring 2018)

- Immersive software development course with focus on full stack web development
- Rigorous program that accepts < 3% of all applicants

Skidmore College • Bachelor of Arts - Psychology (Spring 2011)