

# Ahmad Atallah

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## EXPERIENCE

### AEDITIVE GMBH — Sr Software Engineer (Fullstack)

Mar 2022 – Present | Hamburg, Germany

- Bootstrapping and actively developing a new backoffice solution platform for concrete 3D printing.
- Developing and designing a components library.
- In parallel working as Scrum master for a multi-disciplinary team.

### SWVL BUSINESS — Sr. Software Engineer I (Frontend)

Jul 2021 – Mar 2022 | Cairo, Egypt

- Lead the frontend development team of the company for its B2B scope.
- Maintain SWVL web design system.
- Guide and onboard new comers.

### SWVL — Software Engineer II (Frontend)

Dec 2018 – Jun 2021 | Cairo, Egypt

- Worked on developing the company's administration dashboard and website.
- Initiated and released the company's business dashboards.
- Developed, and published a design system components packages on npm.

### QOBRA — Software Engineer (Frontend)

Dec 2019 - Aug 2020 | Remote

- Started the core product desktop app with electron.
- Streamlined project's boilerplate to speed up development, with support for multiple tabs, shared state, and others.

### MILLENSYS — Software Engineer (Visualization)

Feb - Dec 2018 | Alexandria, Egypt

- Worked in the medical imaging team with OpenJPEG, LEADTOOLS, Windows API, OpenGL, canvas drawing, advanced image processing techniques, 2D and 3D visualization.
- Assigned to advanced DICOM viewer project (web based, and Desktop), reporting tool and others.

### PINE BIOTECH — Bioinformatics Intern

Oct 2017 – Jan 2018 | Remote

- Worked on both educational and analysis platforms for Next Generation Sequencing.

## EDUCATION

### CAIRO UNIVERSITY

Bachelor of System and Biomedical Engineering

Jul 2012 - 2017 | Cairo, Egypt

**Thesis** GPU-Based Visualization Application for 2-Projection 2D-3D Image Registration In Radiation Oncology

## PROJECTS

**TACHYONS STYLED TSX** • TS, React, Emotion, Styled System, Tachyons  
Bring Tachyons implemented with Emotion and Styled System into React app with types in mind

**SWVL DESIGN SYSTEM** • TS, React, Rollup, Theme-UI, Github Actions  
React-TypeScript components library for Swvl design system

**GPU-BASED VISUALIZATION APPLICATION FOR 2-PROJECTION 2D-3D REGISTRATION** • C/C++, VTK, ITK, Qt, OpenMP, OpenCL

Visualization Desktop App for fast 2-projection 2D-3D registration that assists in patient positioning process during radiation oncology treatment procedures

## SKILLS

### PROGRAMMING

Over 10k lines:

TypeScript • Javascript

Over 1000 lines:

PostgreSQL • NodeJS

Familiar:

Haskell, Pascal, C/C++, Scala

### WEB DEVELOPMENT

HTML • CSS • React • Angular •  
Redux • Jest • Webpack • Rollup •  
Gulp • React Query • Grunt •  
Tachyons • Tailwind • Styled  
Components • Emotion •  
Theme-UI • Material-UI • MDX •  
Storybook • Gatsby • Socket.IO •  
i18next

### VCS & CI/CD

Git • SVN • TravisCI •

AWS: CodePipeline • Jenkins •

Github Actions

### CLOUD SERVICES & INFRASTRUCTURE

AWS: S3, EC2, ECS, ECR,  
CodeBuild, Lambda, IAM, Route53  
• Docker • Terraform

## COURSEWORK

Functional Programming

Frontend Nanodegree —Udacity

Deep Learning Specialization

—Coursera

Software Engineering

## ACTIVITIES

### Generative Artist

I'm into some generative topics in my free time for fun, like generative design using components.ai, generative typography, and art.

### Amateur Photographer

## AWARDS

**2016/ RDI Egypt Competition**  
— Project Award:

For an **OCR** application that can do MCQ answers recognition.

**2014/Egypt IEEE EMBS**

International Student Conference  
— Project Award

For **Derma**, an application scans and tracks detected moles/lesions and classify them accordingly