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

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