

ASHWIN PILGAONKAR

(470) 815-2171 ◊ [E-Mail](#) ◊ [Portfolio](#) ◊ [LinkedIn](#) ◊ [GitHub](#) ◊ Atlanta, GA

EDUCATION

Master's in Computer Science, Georgia State University – **GPA: 3.70**

August 2021 - May 2023

Coursework: DS/Algos, Web Programming, Cryptography, Advanced SE, Distributed Systems

SKILLS

Languages JavaScript ES6+, TypeScript, Python, Java, HTML5, CSS3, SASS, SQL

Frameworks React/Redux, Next.js, jQuery, RxJS, Android SDK, Flutter, React Native, Node/Express.js, Spring Boot

Others Git, Jira, Agile, AWS, Docker, Linux, PostgreSQL, MongoDB, Redis, RabbitMQ, Jenkins, Webpack, Babel

Testing Jest, Enzyme, Mocha, React Testing Library Puppeteer, Selenium, Axe Tools, Swagger, JUnit

EXPERIENCE

Web Application Developer

August 2021 - Present

Georgia State University

Atlanta, GA

- **Headed** the **development** and **maintenance** of two **web-based** research applications - **RCII** and **DALN**
- Optimized the **performance** of a slow **GIF capture** process, resulting in **80% faster** renders
- Achieved **20% faster** load times by **parallelizing** data processing of heavy calculations using **Web Workers**
- Built a **widget** to auto-generate **search** queries across news sources using on-screen content, enabling **70% faster** searching
- Visualized data from a **static dataset** by building **dynamic charts** and **tables** using JavaScript, jQuery, and nvd3.js
- Wrote a **script** to improve **data quality**, by retrieving missing S3 URLs and fixing data in **prod** for 467 DynamoDB items
- **Mentored** new hires, conducted **code reviews**, and **set** monthly **release** cycles with clients, all in a **Scrum** environment

Full Stack Developer (Intern)

May 2022 - August 2022

ADP - Automatic Data Processing

Alpharetta, GA

- **Designed** a complete **dashboard** with filters, to monitor **ObamaCare (ACA) compliance issues** for Workforce Now
- Built complex **UI** workflows using OneUX components, **React**, MDF Framework, and **Redux** for state management
- **Exposed 5** new **endpoints** and **optimized** existing ACA APIs to reduce **chaining**; improved **response time** by **15%**
- Fixed module-wide **accessibility issues** using Axe DevTools, and ensured **test coverage** using Jest/Swagger/JUnit

Software Engineer

June 2019 - July 2021

VivaPhysics

Panjim, India

- **Led a team of 3** towards building a complete **EdTech platform** and releasing a **beta** within **8** months
- Packaged interactive Paper.js based **Physics simulations** into a responsive **React SPA** and React native **mobile app**
- Developed **REST APIs** and OAuth/OpenID based **auth middleware** using Node.js, and MySQL as the database
- **Automated** deployments for all projects, setting up the **CI/CD pipeline** using **Jenkins/BitBucket/DigitalOcean**

Full Stack Developer

January 2018 - May 2019

Numadic

Panjim, India

- Worked on a platform dealing with **fleet management** and automation of the supply chain and **logistics industry**
- Built a **React component** library of commonly used **widgets** to reduce development time
- Developed Node.js and Python **REST APIs** for route prediction, **geofencing**, and trip planning, in addition to building a **RabbitMQ (MQTT)** based **notification service**, and maintaining other backend **microservices**
- Built **infrastructure** to allow fleet managers to remotely **immobilize** idling vehicles, reducing fuel consumption by **15%**
- **Optimized** inefficient report generation **scripts**, leading to a **40% reduction** in memory utilization
- Set up **alerts** and **KPI tracking** dashboards for the **reports** engine using **Grafana** and **Prometheus**
- Provisioned and managed **AWS EC2** instances; containerized applications using **Docker** and handled deployments

PROJECTS

CovidAV: Developed a mental-health **telemedicine platform** from scratch, partnering with over **200 practitioners**. Designed the database schema and backend infrastructure, including **REST APIs** and **authentication middleware**. Built and deployed **SPAs** and **PWAs** for patient, practitioner, and admin views on separate subdomains. Features included user account management, appointment booking/payments, plan browser, prescription/report builders, and **virtual consultation** rooms.

Tech stack: React/Redux, SASS, Bootstrap, Tailwind, Twilio Programmable Video API, Node/Express.js, PostgreSQL, AWS

Paperstox: Built a **stock market simulator** to execute **paper-trades**, supporting live updates using websockets and portfolio management per-user. **Tech stack:** Flutter, Finnhub Stock API, Firebase

OPEN SOURCE

- Contributed to the following projects: **DuckDuckGo**, **react-native-device-info** and **WildAid**