Colin Williams

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Passionate Software Developer and AWS Certified Cloud Practitioner; specializing in optimization and complete SDLC

Technical Proficiencies:

C# | .NET | TypeScript | JavaScript | Node.js | GIT | React | Svelte | NestJS | AWS | IAM | RESTful APIs | HTTP | Kubernetes

SQL | SSMS | MongoDB | WebSockets | OAuth2/Passport | TailwindCSS | React Native | CI/CD | AGILE/SCRUM | Jira

Professional Experience:

LA Dept. of Health - *STD/HIV/HEP Program* **- Application Developer - C# | .NET | SQL Server | Entity**   *Sep '23 - Present*

Description: *App-Dev for healthcare professionals linking persons living with STD/HIV/HEP to care*   N.O, LA Remote

- Refactored **HTTP Request Lifecycles** across **.NET MVC Pipeline** improving load speeds by **18x - 681x**
- Developed **SQL Jobs** to aggregate and preprocess **56,311+** patient DB records for specific user-alert feature requirements—decoupling data processing and application layers to handle large, dynamic data volumes
- Resolved **+50%** of all stories and requests **per sprint** from cross-functional stakeholders **Jira Tickets** on team of **3**
- Leveraged **Repository** and **Unit of Work** design patterns maintaining **OOP** best practices in legacy codebases
- Wrote **SQL Queries** and **Entity Model** mapping to create and modify relationships between **96** distinct tables
- Stepped into **Sprint Planner** role to fill **Project Manager absence**, triaging **+30 Jira Tickets and Stories** effectively
- Introduced **GitFlow** developer workflow with Angular Semantic Commit message pattern in **Azure DevOps Server**
- Handled data security, validation and appropriate authentication to strict **HIPAA compliance** standards

Cohive Software - *Huntbookr Mobile* **- Scrum Leader/Backend Developer - GitHub | MongoDB**   *Aug '23 - Feb '24*

Description: *"AirBnB for Hunters" application and cloud architectures, AGILE workflows*   N.O, LA Remote

- Created **PR** and **Issue Template** yaml files ensuring modular workloads with minimal blockages
- Saved **9% total labor cost** to client implementing all-in-one **Git** Ticket-to-Feature-Branch **GitHub Projects** workflow
- Scheduled **10** sprints, averaging **25** tickets per, totalling **259** resolved; only needing **9** new tickets from developers
- Architected all **9 MongoDB Collection Schemas**, leveraging backend **Validators**, **Middleware** and **Change Streams**

FlopHub - *flophub.com* **- Full Stack Developer - Svelte | SvelteKit | Kubernetes | Prisma ORM**   *June '23 - Aug '23*

Description: *SaaS GPU Tenancy Marketplace for users to list/rent machines as nodes with Kubernetes*   Intl. Remote

- Implemented intuitive workflow for end users to navigate multiple views with **Svelte HTML** templating
- Leveraged **K8s JavaScript Client SDK** calls to annotate and label GPU nodes as they are leased and listed for rental
- Built **Prisma ORM Schemas** for **PostgreSQL** user auth-data, sessions and purchases models parallel to **K8s** nodes
- Handled state with **Svelte Stores** and **Lifecycle Hooks**, redirect **URL routing** and sanitizing user-data throughputs
- Error handle with **Sveltekit** and **ES6** try/catch syntax for graceful failure for seamless **user experience**

Queer Global - *queerglobal.com* **- Front-end Developer Volunteer - TypeScript | React**   *Apr '23 - Sep '23*

Description: *An interface for marginalized LGBTQIA+ people to find helpful resources and events*   N.Y, NY Remote

- Developed and documented reusable primary-, secondary- and tertiary-**styled components** saving **27 hours** of time spent for **open source** team, expediting time to delivery and reducing workload redundancies
- Ensured cautious code-review, testing and **CI** with **Github Actions**, **Issues**, and **Projects** for roadmapping
- Built **React** frontend to call **9** different primary domain entities and their respective **microservice APIs**
- Helped migrate to **AWS Cloud** event driven architecture, load balancing (**ELB**), fault tolerance with **CloudWatch**
- Reduced overheads by applying for and acquiring **$1,000 AWS Activate** credits for "organization without funding"

Development Projects:

StaticFileOptionsExtender - *nuget.org/packages/CWDev* **- Library Owner / Maintainer - .NET**   *Jun '24 - Present*

Description: *Tool extending .NET base HTTP content negotiation for compressed files for Unity/WebGL*   Intl. Remote

- Maps **382** static file types, setting correct **MIME type headers** for compressed files
- Averages **47 daily downloads** for users serving static **WebGL** files with **.NET 8 web servers** cross-platform OS
- Optimized package size at **37.15KB** with **semantic versioning**, release notes**,** and **XML metadata** for **open source**

Nola-Dev-Site - *noladevs.org* - **Founder / Full Stack Developer - React | Next.js**   *Jun '23 - Present*

Description: *New Orleans' developer event hub trafficking **500+** monthly attendees with **$0** overhead*   N.O, LA Remote

- Optimized dataset scaling through **Next.js Router,** slug-based folder structure routing, and Path hooks
- Corrected **21 Critical and Serious** accessibility issues leveraging **Axe DevTools**, **ARIA**, and **NextUI**
- Extensively typed and documented API to ensure reliability and longevity for site and future ownership inheritors
- Deployed with **Vercel** and fetched events with public **Google Calendar API** to reduce **$3,528** in annual fees
- All **14** distinct tech meetup groups saw a **+25%** boost in attendance through site's event exposure

Svelte-Custom-Roulette - *npmjs.com/package/svelte-custom-roulette* **- Library Owner / Developer**   *Jun '23 - Jun '23*

Description: *The only published open source NPM custom roulette wheel component library for Svelte*   Intl. Remote

- Documented **open source** contribution protocol for developer collaboration with explicit **API** tables for easy-to-understand implementation and use case examples resulting in **689** weekly downloads
- Leveraged **Svelte CLI** and **Vite** to configure, and distribute smallest possible library modules sub **600ms** build time
- Implemented **D3** charts library as single peer dependency for custom and performant SVG image generation
- Adhered to **JSDocs** format to assist in type-safety and explicit type declarations across library for future users

Personal Interests:

#FrontEndParty - *frontendparty.com* - **Owner / Organizer**

Description: *I run a meetup for local developers to give presentations on their favorite technologies, tips and tricks*

- Host and facilitate technical presentations and networking with natural communication skills
- Secured core sponsors: tech company, Apex Systems, to supply food for each event that I organize and host at the esteemed co-working space, Scale New Orleans, as our location sponsor in the center of downtown New Orleans

Education and Certifications:

Unity C# - Unity Certified Associate Programmer: *Jun '24*
Official Unity Technologies Level 2 C# Game Programmer Certification   Remote

Amazon Web Services - AWS Certified Cloud Practitioner: *Jun '23*
Operational Excellence, Security, Reliability, Performance Efficiency, and Cost Optimization   Remote

Microsoft Foundational C# - Microsoft C# Developer Certificate: *Dec'23*
Official Microsoft Developer Division Certification   Remote

Hack Reactor Operation Spark - Advanced Software Engineering Immersive Program: *Mar '23*
IBC Fundamentals of Javascript, Functional Programming, and Web Development Level 3   New Orleans, LA

TEFL Full Circle - TEFL ACCREDITAT Certificate: *Dec '20*
Advanced Certificate in Teaching English as a Foreign Language (TEFL)   Remote

BA English - State University of New York at New Paltz: *May '13*
Honors : Cum Laude : Dean's List: 2012 & 2013 Minor: Film and Video Studies, concentration in production   New Paltz, NY