JOHN WRIGHT STANLY

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Java, Python, C
TypeScript, JS, Go

Education

Computer Science, BS **Georgia Institute of Technology** **Aug 2021 – May 2025**
- 4.0/4.0 GPA. Deferred admission from Fall 2020 to Fall 2021. Won the Georgia Tech Jacksonville Alumni scholarship
- Launched Community Membership at Startup Exchange, GT's largest startup community

Experience

SWE Intern **Speedscale (YC S20)** **Sep 2023 – Current**
- Built new observability tool for Kubernetes workloads using Kubernetes operator, Kubernetes sidecar, gRPC API, Go, React
- Migrated auth off Auth0's hosted solution. Handled JWTs, third-party cookies, social logins, SSO with React Hooks, Context

SWE Intern **Google** **Sep 2022 – Dec 2022**
- Created 15M new monthly users for feature in Google Maps for Android with frontend mobile Java, backend Java
- Removed waterfall loading states by architecting concurrent, batched network requests to Google servers
- Initiated communication with separate team to discuss our team's experiment's long-term viability, required collaboration

SWE Intern **Cloudflare** **May 2022 – Aug 2022**
- Resolved 9-month-old bug in production, increased throughput 10x by refactoring distributed Kafka queue, Clickhouse use
- Added 3rd alert type for Cloudflare customers by registering on frontend, handling streamed events, querying PostgreSQL
- Simplified Kubernetes DevOps by starting TeamCity CI/CD on Git triggers, automating Docker image security checks

Co-Founder **Winsight** **Oct 2020 – May 2022**
- Raised $250,000 to build startup for livestreaming youth sports. Acquired via offers from investors, Dick's Sporting Goods
- Gained 500+ users by demoing the product at sporting events to parents and kids, discussing pros and cons of the product
- Expanded company from 4 to 8 persons. Conducted the technical interview for 2 new hires

Technical Lead
- Decreased costs 30x versus AWS Elemental Media by architecting a custom livestream load balancer using EC2 and Lambda
- Introduced video sharing URLs by migrating web from React to Next.js for SSR, building MP4 transcoder for sharable files
- Lowered bandwidth viewing requirements 4x by transcoding RTMP in parallel, adaptive bitrates at 720p, 480p, 360p
- Automated highlight reel pipeline with HLS spec. Generation is <1 second, 100% consistent, and supports multi video inputs
- Abandoned Node Camera (React Native) for Streamaxia (Objective-C) library to improve RTMP broadcasts over poor cellular
- Enlivened video watching on web and mobile by adding animated overlays updated with game data using React Animations
- Oversaw refactoring of monorepo into multi repos with shared NPM package to improve distribution of internal JS libraries

Junior Software Engineer **Audiodub** **Aug 2020 – Oct 2020**
- Expanded daily emails scraped from 200 to 2,000+ by optimizing Python script, YouTube API
- Aided transcribing 3+ speakers automatically by consuming a speaker diarization ML library in Text-To-Speech pipeline
- Reduced API call rates 25% by adding IBM Watson Translation API to existing translation API stack (DeepL, AWS, GCP)

Projects and Awards

- **Ivy Hacks Winner —** Winner at Ivy League hackathon. Built AI crowdsourcing app with machine learning classification, C++
- **Greylock VIP —** 1 of ~80 from 1000s invited nationwide to connect with Greylock's portfolio founders in private event
- **Personal Blog —** Attract 750+ users/week, rank #1 on Google SEO for React.js topics with custom built full stack blog
- **ADS-B receiver —** Constructed ADS-B receiver to track commercial flights real time. Used Raspberry Pi, 1090 MHz antenna
- **TarbCoin —** Deployed a token to the Ethereum blockchain using the ERC-20 standard, Solidity, Truffle, Infura, web3.js

Skills

- **Technologies —** AJV, Bootstrap, Clickhouse, CSS, Docker, Express, FFmpeg, Git, GA4, gRPC, H.264, HLS, HTML, HTTP, Kubernetes, Linux, MySQL, Next.js, Node.js, NPM, Protobuf, React, RTMP, REST, Tailwind, TCP/IP, TeamCity, Terraform, UDP
- **AWS Services —** ACM, API Gateway, Aurora, CDK, CloudFormation, CloudFront, CloudWatch, CodeDeploy, CodePipeline, Cognito, DynamoDB, EC2, EC2 Image Builder, IAM, Infinidash, Lambda, Lambda@Edge, RDS, Route 53, S3, SAM, SES, VPC