

Jasdeep Ahluwalia

jasdeep.a@outlook.com | linkedin.com/in/jasdeep-ahluwalia | jasdeepahluwalia.com
github.com/ahluwalij | New York City, NY | 347-322-3659

EDUCATION

- University of Maryland, College Park | GPA: 3.98/4.00** Aug. 2021 – May 2025
B.S. in Computer Science, Minor in Statistics & Machine Learning College Park, MD
- **Related Coursework:** Object Oriented Programming (Java), Request Handling (Go), Web Apps (TypeScript, React), Data Science (Cassandra, Spark, Python), Algorithms, Data Structures, Software Engineering, Databases
- Hack4Impact Engineering Foundation** Nov 2022 – May 2023
Director of Engineering College Park, MD
- **Reduced load times by 35%** by converting the non-profit's system to a new **Java PostgreSQL** database.
 - **Led 18 tech discussions** on current tech trends, fostering collaboration, and bolstering communication skills.

EXPERIENCE

- Amazon Web Services** May 2024 – Present
Software Engineering Intern Seattle, WA
- **Productionized** a native version control system from scratch, managing **20,000+ files** for **50+ AWS SDEs**.
 - Optimized a **10,000+ event** queue's validation time (**3+ hours to 1 hour**) using AWS Lambda & SQS.
- Plato Tech** Jan. 2024 – Present
Founding Software Engineer Washington, D.C.
- Built the core-infrastructure & frontend of a company service indexing tool using **Semantic Search & NLP**.
 - Helped pitch to VC firms including **Y-Combinator**, and companies including **Deloitte & Wells Fargo**.
- Michelin Tires** May 2023 – Aug. 2023
Software Engineering Intern Greenville, SC
- **Placed 1st out of 107 teams** in a hackathon, utilizing **Python** and **React** for data models for stakeholders.
 - Enabled natural language queries on the CDL by creating a **GPT3.5** chatbot, **used by 100+ employees daily**.
- Sellerchain Inc.** Jun. 2022 – Aug. 2022
Software Engineering Intern Brooklyn, NY
- **Led development** on a **Javascript React** app to optimize Amazon shipments, gaining 140% clients in 3 months.
 - Reduced costs by **\$400+/mo** by transitioning a deprecated **MySQL** database from local to **AWS RDS**.
- Proxyfarm** Jan. 2021 – Aug. 2021
Founder Queens, NY
- Founded a proxy/VPN service handling **10,000+ IPs**, with a peak of **120+ monthly users** and **\$40,000 in revenue** over 11 months operating in a B2B model (set up and supplied VPNs to other VPN companies).

PROJECTS

- Founder of Hash - Crypto Automation App** | *React, Elasticsearch, AWS S3, Distributed Systems*
- Built a bot with over **\$220,000 in volume**, using Elasticsearch & Storm for **real-time token data** & trait rarity.
 - **Managed over 140 users** with **0 security issues** in 8 months; Used **ERC-721 metadata** & **AWS S3** for auth.
- UC Berkeley Hackathon Finalist (10/1300+ participants) - Zoom AI** | *Java, Optimization, REST APIs*
- Queried facial and audio expression **REST APIs** to track 100+ emotions of each user in a custom video platform.
 - Aggregated data from **Java** backend and created 4 visualizations to track emotions/sentiment over time.
- PlatePlanner - Meal Plan Web App** | *JavaScript, React, Python, SQL, Git, MySQL, Relational Databases*
- Built a React meal generator that optimally filters through **365,000 recipes** using user nutrition requirements.
 - **Reduced 60% of requests** using caching & MySQL for authentication, persistent user data, & user preferences.

TECHNICAL SKILLS

Languages: Typescript, HTML/CSS, Python, Java, SQL, C++
Tools & Frameworks: REST APIs, MySQL, PostgreSQL, Redis, Node.js, React, MongoDB
Services & Libraries: Elasticsearch, Spark, Cassandra, TailwindCSS, Pandas, AWS (Certified Practitioner) RDS, S3