PAUL JEONG

201-320-1539 | pauljeong333@gmail.com | linkedin.com/in/paul-jeong | github.com/pauljeong333 | Grapefruit Enjoyer | U.S. Citizen

EDUCATION

Brown University   Providence, RI
*Bachelor of Arts in Computer Science, Bachelor of Arts in Music | **GPA: 4.0***   *Sep. 2021 – May 2025*
Relevant Coursework: Data Structures & Algorithms, Systems, Full-Stack Web Development, AI/DL, Computer Vision, NLP

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, C++, Dart, Java, SQL
Frameworks & Libraries: React, Node.js, Express.js, Flutter, Django, Django REST Framework, pandas, NumPy, Matplotlib, TensorFlow/PyTorch
Cloud Platforms: AWS (Lambda, DynamoDB, S3, API Gateway), Google Cloud Platform (Cloud Functions, Firestore)
Developer Tools: Git, Docker, Kubernetes, GitHub Actions, VS Code, PyCharm, IntelliJ, Postman
Databases: PostgreSQL, MySQL, DynamoDB, Firebase/Firestore

EXPERIENCE

Full-Stack Developer (Startup)   Remote
Buddisystems | React, CSS, Django, Docker   *June 2025 – Present*
- Redesigned BuddiBot, an AI-powered tax assistant, with a modern conversational UI that improved clarity and boosted feature adoption by 25%
- Engineered Django REST APIs for transactions, job matching, and messaging, powering 200+ monthly users
- Implemented Redis caching to cut redundant queries, reducing page load times by 35% and improving responsiveness
- Executed zero-downtime migrations and Google Auth integration, cutting signup drop-off by 40%

Software Engineering Intern (Startup)   Palisades Park, NJ
Mosi56 | Flutter, Dart, Firebase/Firestore, Google Cloud Functions, AI   *June 2023 – Present*
- Built interactive game flows in Flutter, growing early user base by 30% and boosting daily sessions
- Developed backend logic and APIs with Google Cloud Functions, cutting server response times by 25%
- Built production-ready pipelines using LangChain, LangSmith, and OpenAI with safe API handling and real-time tracing, increasing engagement by 40%
- Implemented structured logging and monitoring on Google Cloud Functions, detecting and resolving 50% of critical issues before they reached users

PROJECTS

PracticeDex | *React, TypeScript, Firebase, AWS (Lambda, DynamoDB, API Gateway, S3), AI*   *July 2025 – Present*
- Built a full-stack web app in React with serverless AWS backend, enabling users to track and manage musical practice data
- Prototyping AI-powered goal suggestion system using LLM integration (OpenAI API), enhancing personalized practice recommendations for users
- Developed RESTful APIs with secure authentication and real-time data synchronization using Firebase and DynamoDB
- Optimized performance and scalability through caching strategies, efficient data modeling, and serverless architecture

Musical.ly (Music Genre Classifier) | *Python, Pytorch, Jupyter*   *Apr. – May 2024*
- Built audio classification pipelines using PyTorch CNNs trained on 60K+ spectrograms, reaching 64% accuracy, 0.90 AUC
- Optimized data preprocessing and GPU workflows, cutting training time on compute clusters by 40%
- Applied model tuning and evaluation automation, improving inference reliability and training efficiency

Book of P's | *React, TypeScript, MongoDB, Express.js, Node.js*   *Nov. – Dec. 2023*
- Developed a full-stack web application ("virtual cookbook") to record, search, and share recipes
- Built dynamic recipe linking and search functionality with MongoDB queries and Express.js backend APIs
- Implemented secure user authentication and authorization, ensuring safe account management and data privacy