

# Brooklyn Rayne

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## About me

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Senior software engineer with preference for backend work seeking long-term career at a stable software company after ten years on the often hectic and unpredictable startup circuit.

## Work experience

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### **Hox Biotech • Senior Software Engineer • 2024-2025**

Developed the command line interface and web API for their core product as well as the infrastructure for interactively monitoring data center hardware and deploying software updates to their infrastructure.

### **Sneller • Senior Software Engineer • 2022-2023**

Developed the SQL query optimizer and table indexing algorithm that powered what was at the time the fastest object store based SQL database in the world. Sneller is currently searching for a suitable acquisition partner.

### **Remitly • Software Development Engineer • 2021**

Came back to Remitly in a contractor role to rearchitect their system for securely storing recipient personal details for PCI compliance in anticipation of their \$6.9 billion IPO that year.

### **Twitch/Amazon • Software Development Engineer (L6) • 2020**

Post acquisition by Amazon, rearchitected core Playback Edge services to deliver the AWS IVS product, a multi-million dollar a year product now powering the video delivery infrastructure behind thousands of companies across the world.

### **Remitly • Software Development Engineer • 2018-2019**

Developed integration with Ria, open network cash pickup experience, pull-based partner integration API, all cited as crucial for the \$6.9 billion IPO in 2021.

### **NewAlchemy • Full Stack Engineer • 2017-2018**

Single handedly developed and delivered the initial minimally viable prototype of the TokenCard product, a \$12.7 million project by Monolith Studio.

### **Igneous Systems • Member of Technical Staff • 2015-2016**

Implemented object index table and encoding formats, led effort on cluster scaling, and developed FTP to S3 adapter, all significant factors in securing a Series B fundraising round of \$15 million.

## Skills

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### **Programming languages**

Go, Java, Kotlin, C/C++, JavaScript, TypeScript, PHP, Python

### **Service based architecture**

Ten years of experience working in highly distributed and fault tolerant systems built

within a service based architecture framework.

### **Networks**

Advanced working knowledge of many standard protocol specifications, as well as deep knowledge and experience in network security and cryptography.

### **Systems**

Strong knowledge of Linux syscall API and internals. Proficient in administrating and developing low level system software for Linux systems.

## **Education**

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### **Computer Science and Engineering (Ph.D.) • 2011–2015 (ABD)**

University at Buffalo, Buffalo, NY. Thesis titled "On the Design and Implementation of a Cross Protocol Data Transfer System."

### **Computer Science (B.S.) • 2008–2011**

Louisiana State University, Baton Rouge, LA. Minor in Mathematics.