Brad Burch

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SUMMARY

Software Engineer with a passion for building products that positively impact the end user. Experienced in building scalable REST APIs, scheduling systems, ETL pipelines, developer productivity tools, and third-party integrations.

SKILLS

Languages: Java, Scala, Python, JavaScript, TypeScript
Frameworks, Libraries, Tools: Amazon Web Services (AWS), SQS, DynamoDB, REST APIs, MSSQL, PostgreSQL, SQL, NoSQL, Git, Jenkins, Spring Framework, Play Framework, Node.js

WORK HISTORY

Chief Pet Officer

Rover.com, San Francisco, CA **2022 - Present**
- Sourced 10+ weekly clients for pet services with 100% satisfaction with average reply times below 2 hours.
- Expert care for dogs, cats, rats, and geckos while making budget and time-conscious decisions for self and owners.

Software Engineer

Front.com, San Francisco, CA **2022**
- Developed and deployed a Node.js REST API for account-based rules, driving a 30% increase in adoption.
- Optimized contact CSV importer for incremental file uploads leading to a 5% reduction in processing time.
- Performed critical security upgrade of core JavaScript email library responsible for sending over 200,000 outbound emails/month.

Software Engineer

Total Brain, San Francisco, CA **2019 - 2021**
- Spearheaded the design and implementation of a Scala backend integration system for Apple, Google, and Facebook authentication platforms resulting in a 40% increase in new user sign-ups.
- Enhanced customer experience by integrating SSH and Box Folders via Box APIs for confidential customer files.
- Orchestrated the seamless migration of user data from a legacy relational MSSQL database to DynamoDB, utilizing a modernized NoSQL schema while achieving a 50% reduction in overall API response times.
- Implemented seamless integration of HubSpot APIs to synchronize critical customer and lead data, enhancing customer success, sales, and product experiences.
- Standardized and optimized SSO systems for SAML 2.0 and JWT, streamlining the onboarding process for new users.
- Improved API response times by 50% by implementing an in-memory caching system for DynamoDB tables.
- Increased developer productivity by 70% with a Jenkins continuous integration (CI) and continuous delivery (CD) pipeline for all development backend systems while increasing observability.

Software Engineer

Salesforce.com, San Francisco, CA **2017 - 2018**
- Designed and implemented a persistent repository for internal state as integration tests were executed using Java, PostgreSQL, and EclipseLink.
- Created an OAuth2 security filter to manage access control of Microservice APIs, integrating with a remote service for identity validation.

EDUCATION

DePauw University, Bachelor of Arts in Computer Science   2017