

# PATRICK BRAY

LEAD SOFTWARE  
ENGINEER



@patrickbray



@patrick\_bray



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Auckland  
New Zealand

## PROFILE

I am an experienced software engineer who is passionate about clean code, simple & pragmatic solutions to business problems, software ownership & delivery.

## EDUCATION

BACHELOR OF INFORMATION TECHNOLOGY  
VICTORIA UNIVERSITY OF WELLINGTON

## EXPERTISE

- Software Design & Architecture
- REST API Design & Development
- Building & Leading Agile Teams
- Microservices
- Continuous Delivery
- Incident Management
- Site Reliability Engineering

## LANGUAGES

- Java
- JavaScript
- Kotlin
- Bash
- Groovy
- Python

## PLATFORMS / TOOLS

- AWS
- Docker / Kubernetes
- Splunk
- Jenkins/JenkinsX
- Zipkin
- Kibana / Elastic Search
- New Relic
- Datadog
- Atlassian Suite
- Launch Darkly

## DATA STORES

- Postgres
- MySQL
- Mongo
- SQL Server

## EXPERIENCE

API DEVELOPMENT TEAM LEAD (AUCKLAND / REMOTE)  
RAKEN | OCT 2017 - TODAY

- Implemented move to CI/CD by enabling feature flagging, automating monitoring & improving API Test Coverage,
- Scaled the local Dev team from 3 to 12 developers
- Migrated Billing from Intuit to Stripe
- Re-architected original Monolithic Product implementation into micro-services improving scalability & performance.
- Re-implemented key product features such as file upload process to leverage AWS Services
- Resolved performance bottlenecks enabling key strategic projects to be launched on time.

## EXPERIENCE

### DEVELOPMENT TEAM LEAD (SYDNEY / REMOTE)

ATLASSIAN | MAY 2014 - OCT 2017

- Owned a number of key services involved in all stages of the the Atlassian Purchasing lifecycle including. Billing, Cloud Provisioning, Finance & Shopping Cart systems.
- Led a team to deliver per user pricing for Bitbucket Pipelines
- Performed internal data migration project to enable Jira to be split into and sold as multiple products.
- Performed redevelopment & migration of legacy J2EE applications out of the datacenter and into AWS

### SNR. JAVA DEVELOPER (SYDNEY)

ANZ | MAR 2012 - MAY 2014

- Greenfields implementation of a workflow & message routing engine responsible for translating OTC Derivative Trades and publishing them to the appropriate regulatory bodies.
- To meet US regulatory requirements all trades, need to be reported within 15 minutes which required a high level of fault tolerance and reliability.

### SNR. JAVA DEVELOPER (UK / REMOTE)

NATIONAL TRUST | JAN 2011 - MAR 2012

- Delivery of Holiday Accomodation website rebuild.
- Responsible for providing a WebService API & booking system integration.
- As Tech Lead on this project I was responsible for providing estimates, design and architecture, managing releases and coordinating with third parties for issue resolution.

### SNR. JAVA DEVELOPER (SYDNEY & BRISTOL)

MACQUARIE BANK | JUL 2008 - JAN 2011

- Development of a greenfields online Trading Portal. Responsible for implementation of a high availability, low latency solution for the delivery and analysis of market data from the Australian Stock Exchange (ASX).
- Redevelopment of the Macquarie Personal Banking Portal.
- Development of a Content Hub to aggregate, store and provide a search index over a large amount of content from disparate news feeds for Macquarie Research.

## COMMUNITY CONTRIBUTIONS

- Lead tutor for local coding club
- Contributor to Spring Boot framework

References available upon request