

# Professional Resume

**Tim Baker, Senior Scheduler**



## Overview

Scheduler/Software Developer Tim Baker has over 20 years of experience in scheduling urban transit services, and in the development of transit-related information support systems. Mr. Baker has extensive experience in the development of vehicle and crew schedules, in both manual and computerized environments. He has developed a number of information systems and applications to support the scheduling and service planning functions. He is also skilled in database design and software development.

## Transit Planning/Scheduling

Mr. Baker has over 20 years experience as a scheduler of trams & buses at the Public Transport Corporation, Yarra Trams, & TMD. During his tenure at the PTC, he participated in the implementation of computerized scheduling (Hastus). He has also worked extensively on run-time setting methodologies, including implementation of operationally viable run-times at Yarra Trams, which led to significant punctuality improvements.

## Transportation Information Systems

Mr. Baker developed various systems to achieve the following goals: streamline scheduling & service planning processes; produce reports; and interface with computerized scheduling systems. He has produced an application to generate optimal in-service running times using AVL data. Other accomplishments include the development of a program to take data directly from Hastus systems and use that data produce timetables for stop poles. He has also developed a system for importing patronage data, & producing proposed service levels.

Since joining TMD Mr. Baker has developed sophisticated database systems, including: an application that is used not only to maintain and track stop level information, but to produce outputs & interfaces to third party systems. Furthermore, TMD's in-house Service Analysis System was primarily designed and developed by Mr. Baker. He has written many interfaces to convert data from various systems into formats suitable for other products, such as Hastus. His recent client list includes the cities of Los Angeles, Oakland, Minneapolis, Baltimore, San Diego, Denver, San Francisco, and Chicago.

## Education

Diploma of Information Technology  
(dual streams),  
Victoria University of Technology  
(Melbourne, Australia)

## Experience

Transportation Management & Design, Inc.  
Yarra Trams (Melbourne, Australia)  
Public Transportation Corporation (Melbourne, Australia)